



2003 Missouri State Highway System

Traffic Accident Statistics

Missouri Department of Transportation

Missouri State Highway System
Traffic Accident Statistics
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Chapter 1

2003 STATEWIDE TRAFFIC ACCIDENT STATISTICS

The following summary of traffic accidents represents only those accidents that have occurred on the State Highway System of Missouri in 2003. The information contained in this publication is a summary of the accident reports provided to the Missouri Department of Transportation. This publication is possible only through the conscientious reporting efforts of Missouri Law Enforcement Agencies.

These statistics are compiled pursuant to federal law, 23 USC Section 152.

Chapter 1-A : ACCIDENTS BY TYPE

This section divides total 2003 accidents by the type of impact severity. It further distinguishes the types by indicating whether they occurred “ON” or “OFF” the roadway.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Type**

Date: 8/12/2004

Accident Type	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
ACCIDENT TYPE OFF ROAD						
RAN OFF ROAD	5	7	113	205	255	373
RAN OFF ROAD-ANIMAL OTHER THAN DEER	0	0	1	1	5	6
RAN OFF ROAD-BICYCLIST OR PEDALCYCLIST	0	0	1	1	3	4
RAN OFF ROAD-DEER	0	0	5	8	17	22
RAN OFF ROAD-FIXED OBJECT	308	334	6,673	8810	9,951	16,932
RAN OFF ROAD-MOTOR VEHICLE IN TRAFFIC	0	0	0	0	0	0
RAN OFF ROAD-OTHER OBJECT	1	1	33	43	95	129
RAN OFF ROAD-OTHER/NONCOLLISION	0	0	55	68	204	259
RAN OFF ROAD-OVERTURNED ON ROADWAY	0	0	0	0	0	0
RAN OFF ROAD-OVERTURNING	67	73	1,143	1555	812	2,022
RAN OFF ROAD-PARKED MOTOR VEHICLE	6	6	169	233	682	857
RAN OFF ROAD-PEDESTRIAN	2	2	18	21	4	24
RAN OFF ROAD-RAILROAD TRAIN	0	0	2	2	2	4
Subtotal	389	423	8,213	10,947	12,030	20,632
ACCIDENT TYPE ON ROAD						
ANIMAL OTHER THAN DEER	2	2	101	141	632	735
BICYCLIST OR PEDALCYCLIST	0	0	7	7	136	143
CHAIN REACTION REAR END	21	22	2,167	3861	3,087	5,275
DEER	2	3	247	315	2,876	3,125
FIXED OBJECT	4	5	200	256	459	663
MOTOR VEHICLE IN TRAFFIC	306	373	14,108	23101	43,913	58,327
OTHER NON - COLLISION	4	5	109	137	529	642
OTHER OBJECT	6	7	91	116	911	1,008
OVERTURNED ON ROADWAY	31	36	486	671	283	800
OVERTURNING	0	0	0	0	0	0
PARKED MOTOR VEHICLE	2	2	13	26	61	76
PEDESTRIAN	34	34	218	241	14	266
RAILROAD TRAIN	5	5	7	16	3	15
RAN OFF ROAD-MOTOR VEHICLE ON OTHER ROAD	27	36	117	290	158	302
Subtotal	444	530	17,871	29,178	53,062	71,377
Totals	833	953	26,084	40125	65,092	92,009

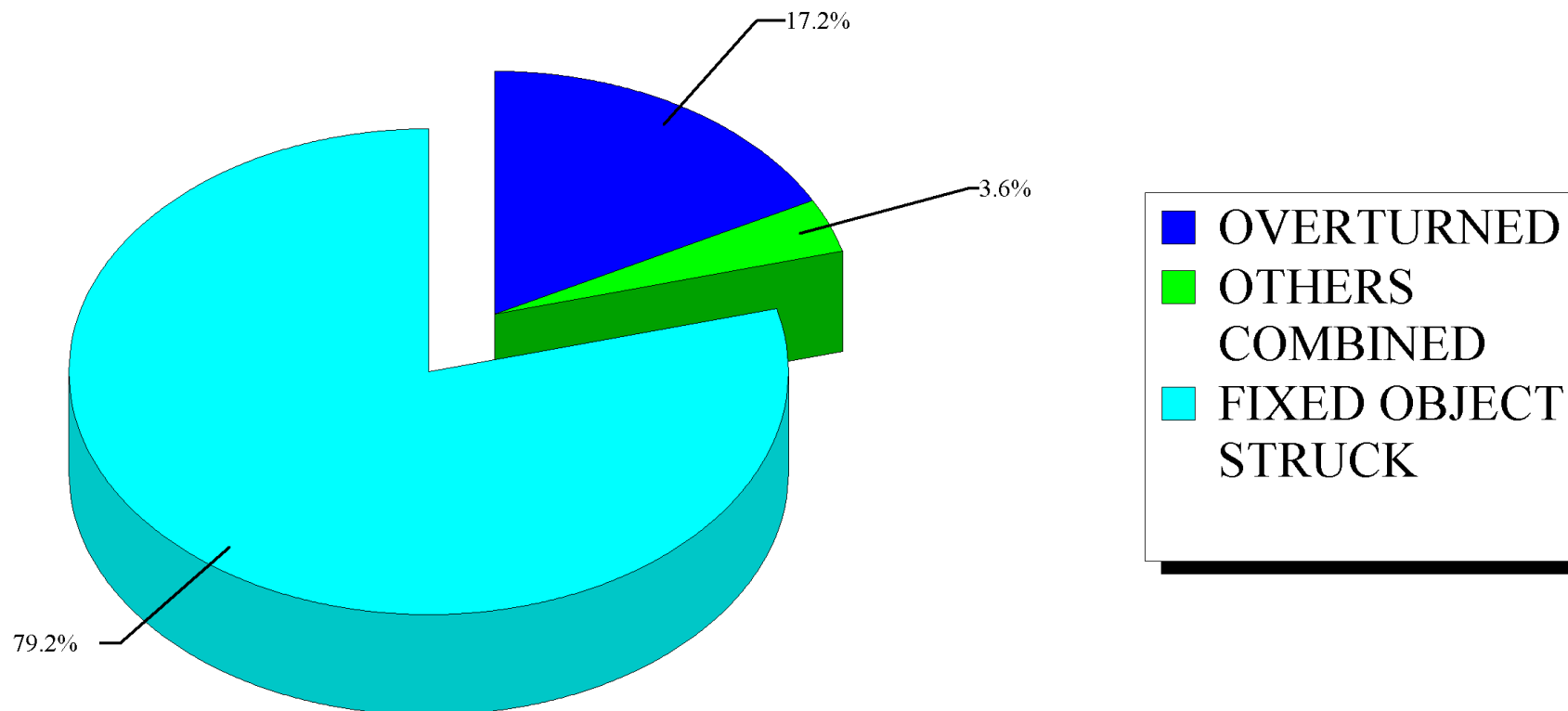


Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

2003 Accidents by Type
389 Fatal Accidents 'OFF' Roadway

Accident Type	Fatal Accidents
OVERTURNED	67
OTHERS COMBINED	14
FIXED OBJECT STRUCK	308



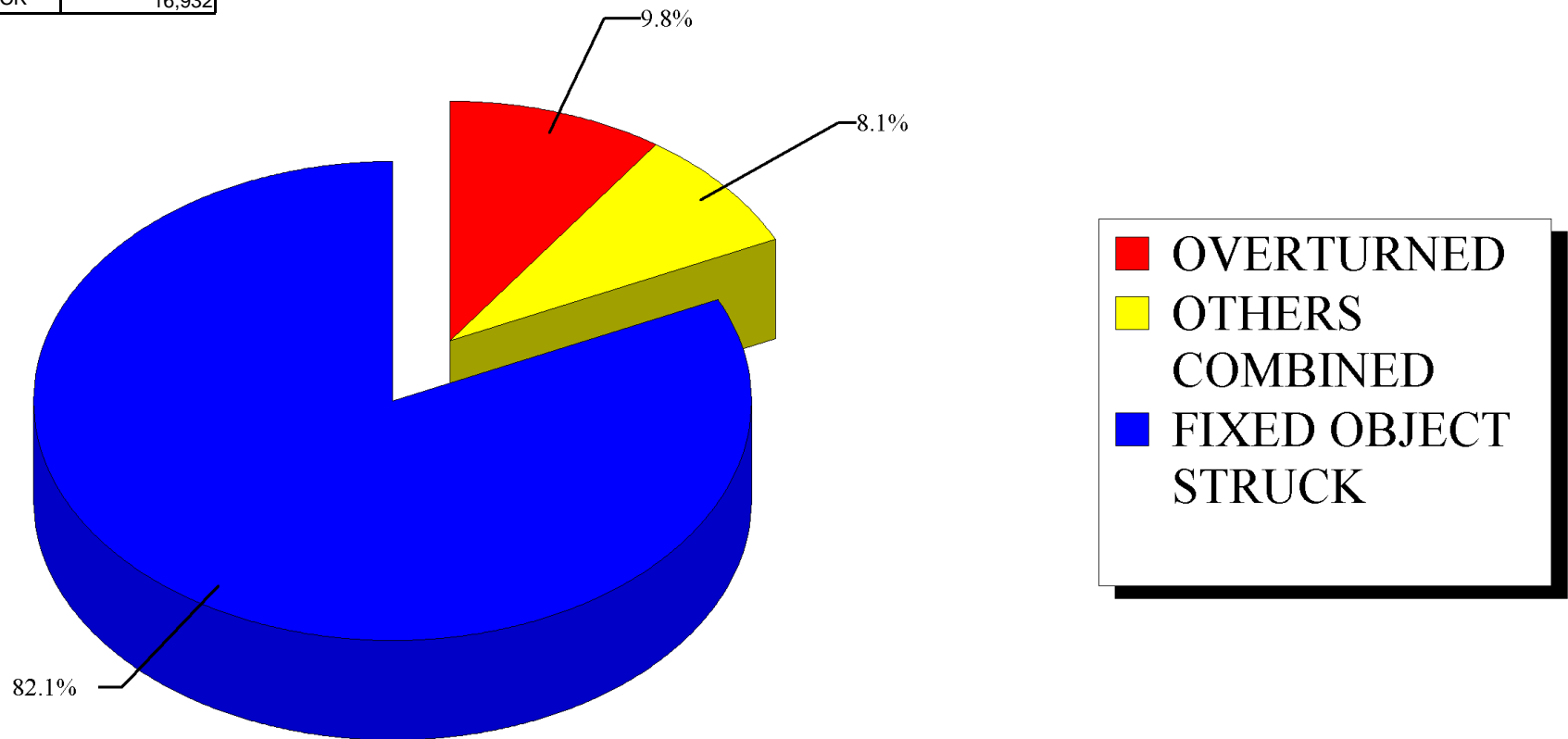


Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

2003 Accidents by Type
20,632 Total Accidents "OFF" Roadway

ACCIDENT TYPE	Total Accidents
OVERTURNED	2,022
OTHERS COMBINED	1,678
FIXED OBJECT STRUCK	16,932



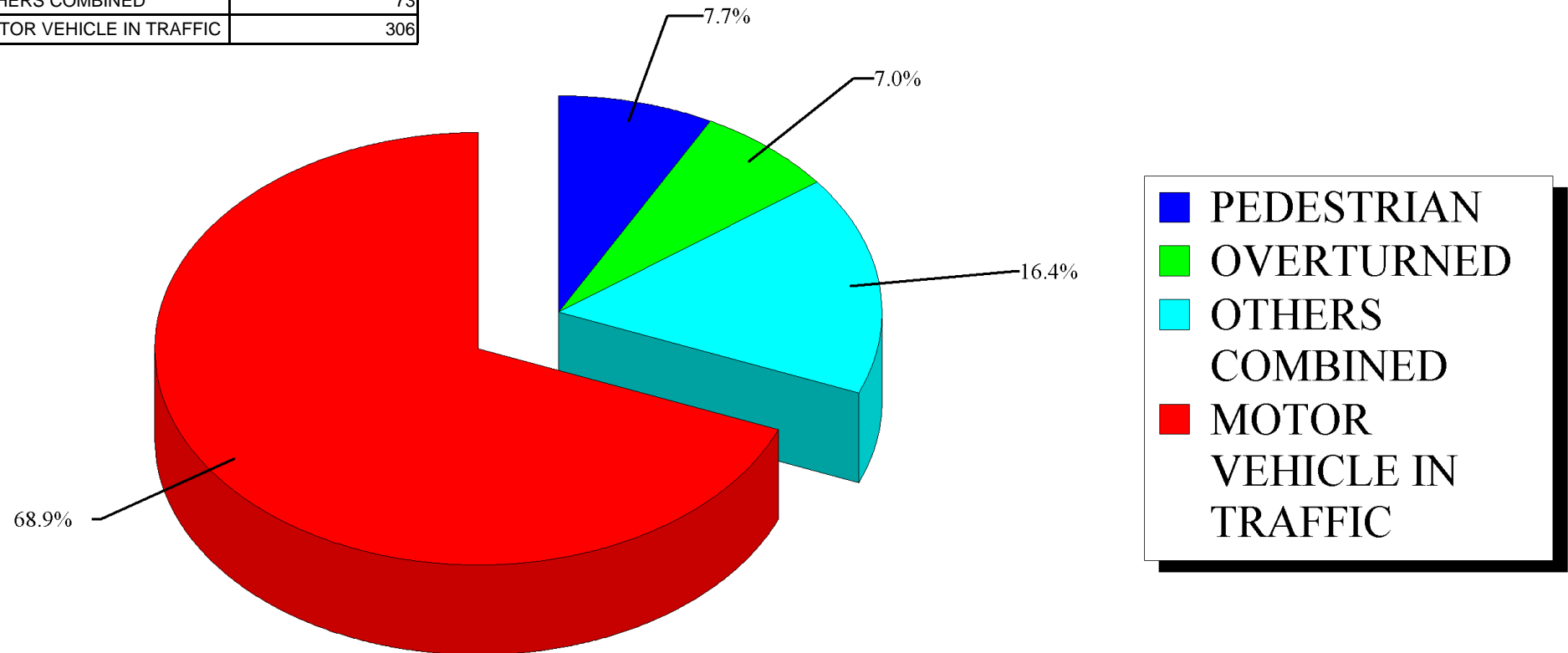


Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

2003 Accidents by Type
444 Fatal Accidents 'ON' Roadway

Accident Type	Fatal Accidents
PEDESTRIAN	34
OVERTURNED	31
OTHERS COMBINED	73
MOTOR VEHICLE IN TRAFFIC	306



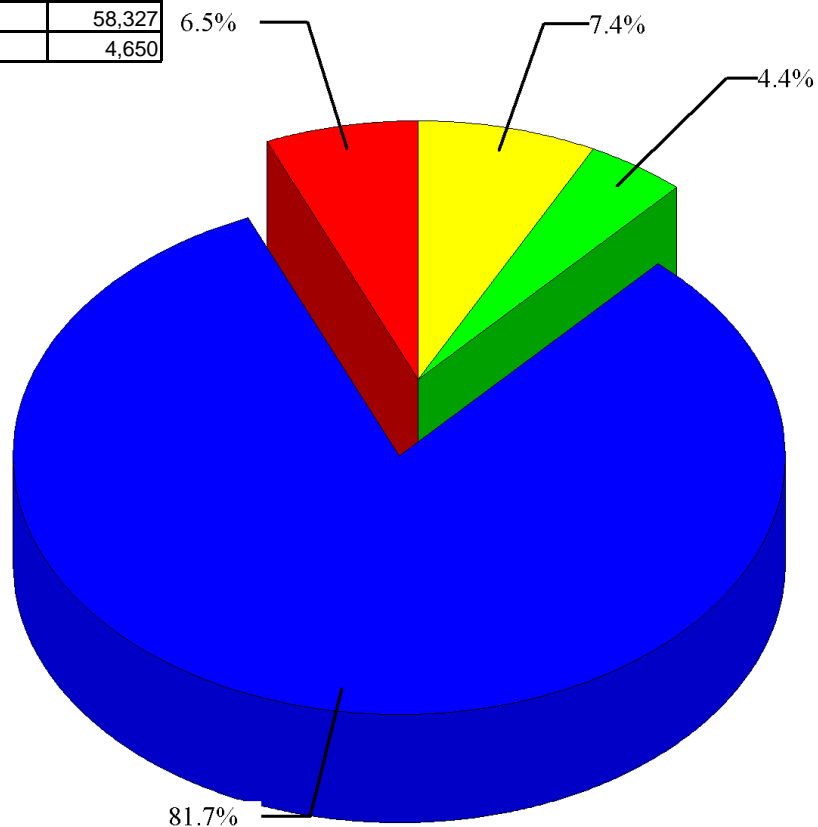


Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

2003 Accidents by Type
71,377 Total Accidents "ON" Roadway

ACCIDENT TYPE	Total Accidents
CHAIN REACTION REAR END	5,275
DEER	3,125
MOTOR VEHICLE IN TRAFFIC	58,327
OTHERS COMBINED	4,650



- CHAIN REACTION REAR END
- DEER
- MOTOR VEHICLE IN TRAFFIC
- OTHERS COMBINED

Chapter 1-B : ACCIDENTS BY CONTRIBUTING CIRCUMSTANCES

This section deals with the circumstances that contributed to accidents in 2003. The total number of reported accidents is somewhat less than the total number of contributing circumstances and the number of drivers because each accident could involve one or more drivers and one or more contributing circumstance.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Contributing Circumstance**

Date: 8/12/2004

Contributing Circumstance	Fatal Accidents	Injury Accidents	PDO Accidents	Total Accidents
ACCIDENT AHEAD	15	378	929	1,322
CONGESTION AHEAD	24	2,998	8,647	11,669
DRINKING	163	2,096	1,877	4,136
DRUGS	17	226	196	439
FAILURE TO YIELD RT OF WAY	107	4,617	9,742	14,466
FOLLOWING TOO CLOSELY	27	4,357	13,071	17,455
IMPROPER BACKING	2	46	817	865
IMPROPER LANE USE-CHANGES	119	2,172	6,176	8,467
IMPROPER PARKED	0	17	25	42
IMPROPER PASSING	19	427	1,100	1,546
IMPROPER SIGNAL	0	67	174	241
IMPROPER START-PARKING	0	36	134	170
IMPROPER STOPPED	8	137	289	434
IMPROPER TURN	12	580	1,877	2,469
INATTENTION	189	7,539	17,962	25,690
MORE STATED LATER IN RECORD	0	0	0	0
NONE-DRIVER OR PEDESTRIAN	0	0	0	0
NOT STATED OR UNKNOWN	386	14,676	43,709	58,771
PHYSICAL IMPAIRED	54	1,108	950	2,112
SPEED-EXCEEDED LIMIT	105	842	752	1,699
TOO FAST FOR CONDITIONS	219	5,733	10,049	16,001
TRAFFIC CONTROL INOPER/MISSING	0	25	50	75
VEHICLE DEFECTS	18	720	2,359	3,097
VIOLATION-SIGNAL/SIGN	23	1,235	1,772	3,030
WRONG SIDE	141	903	909	1,953
WRONG WAY	11	51	71	133
Totals	1,659	50,986	123,637	176,282

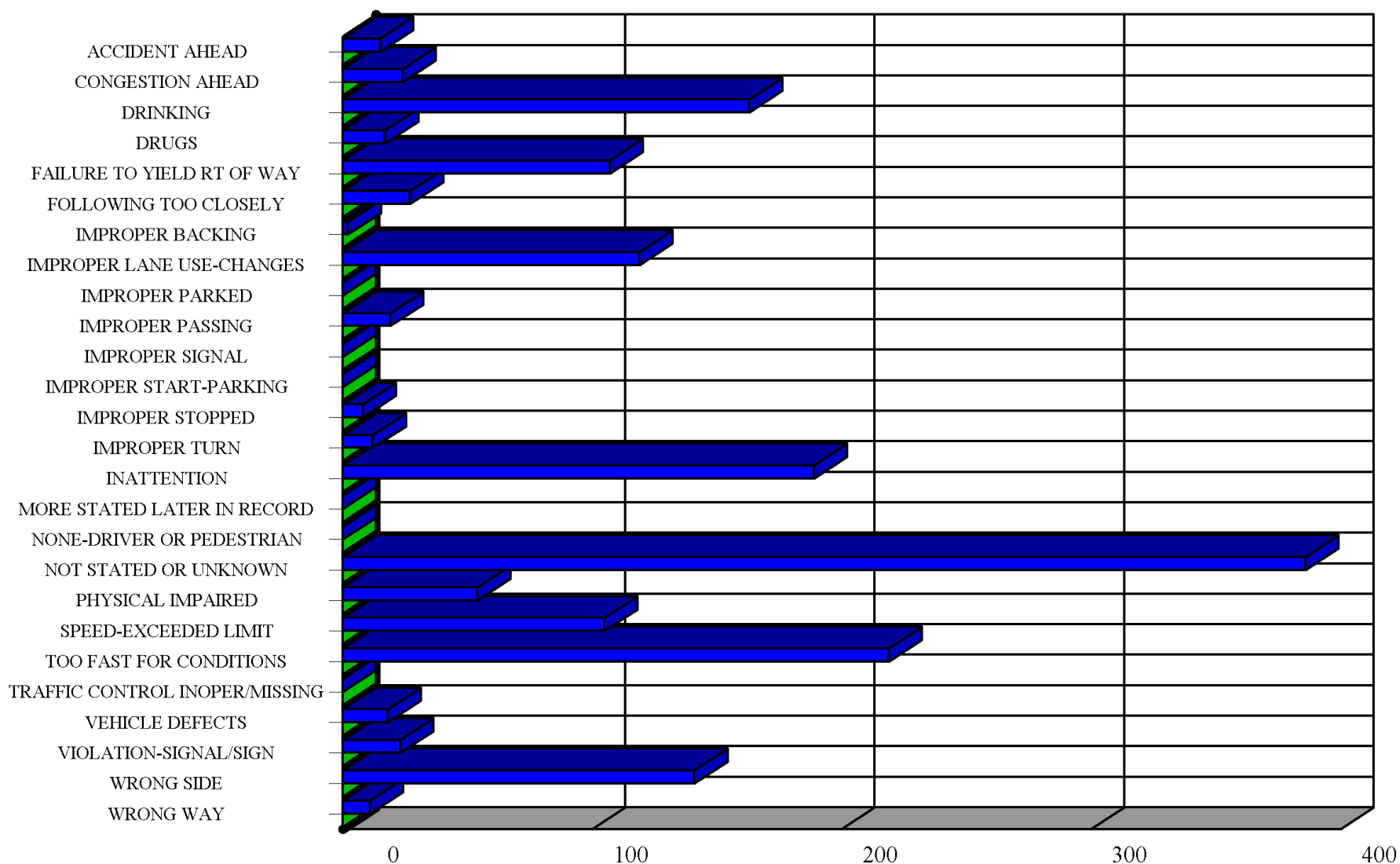
IN ACCIDENTS	833	26,084	65,092	92,009
FOR DRIVERS	1,307	46,781	117,301	165,389



Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Fatal Accidents by Contributing Circumstances 1307 Drivers involved in 833 Fatal Accidents

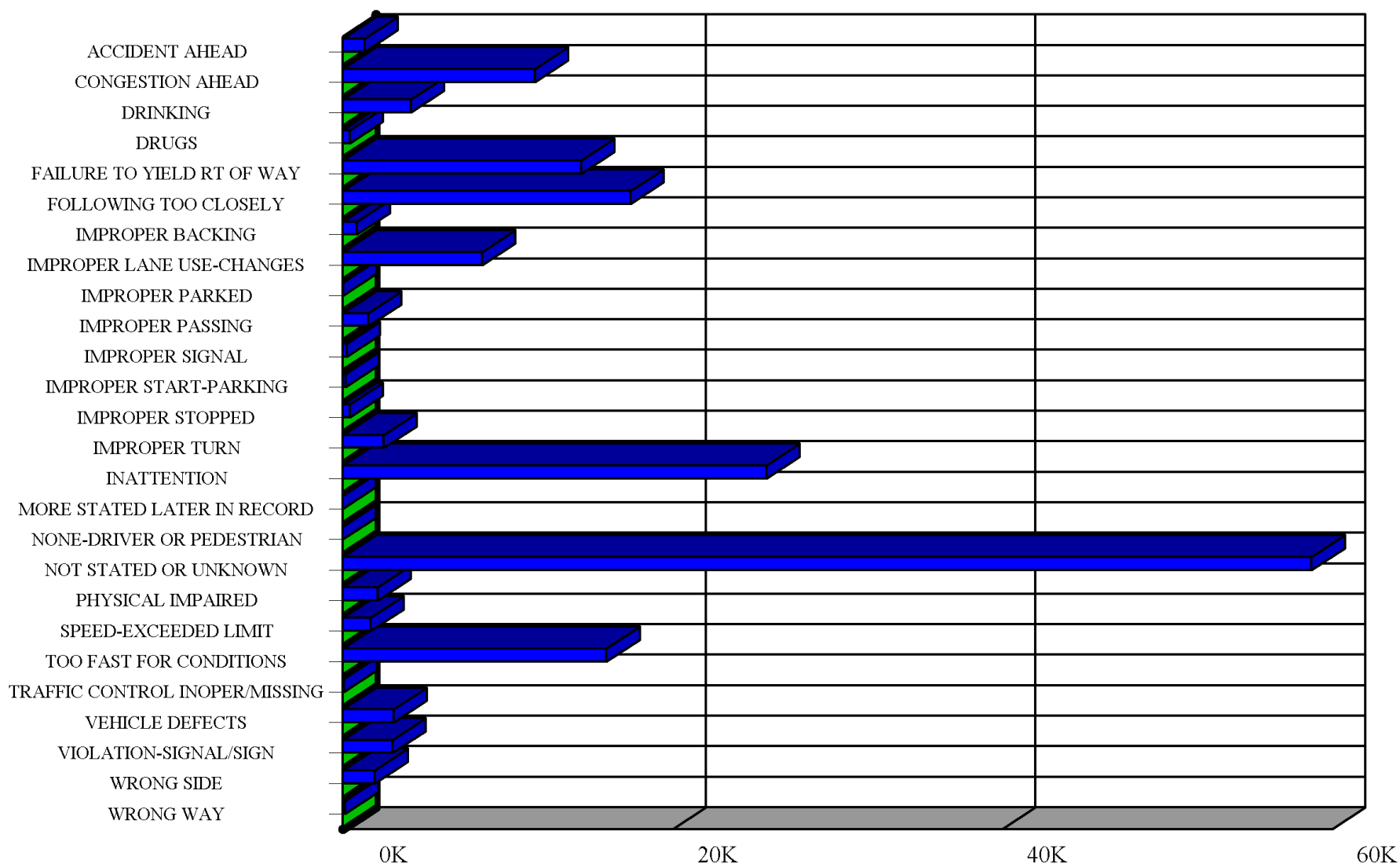




Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Total Accidents by Contributing Circumstances 165389 Drivers involved in 92009 Total Accidents



Chapter 1-C : ACCIDENTS BY POPULATION GROUPING

In this section, accidents are grouped according to the population characteristics of their location. Four (4) categories are used: rural, urban (population 5,000 to 49,999), urbanized (population 50,000 to 99,999) and metropolitan (population 100,000 or greater).

Currently, the metropolitan boundaries have not been established; therefore, all metropolitan accidents have been included in the urbanized grouping.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Population Grouping**

Date: 8/12/2004

Population Grouping	Fatal Accidents	Injury Accidents	PDO Accidents	Total Accidents
METROPOLITAN	0	0	0	0
RURAL	637	12,062	23,177	35,876
UNDESIGNATED	0	0	0	0
URBAN	37	2,309	7,354	9,700
URBANIZED	159	11,713	34,561	46,433
Totals	833	26,084	65,092	92,009

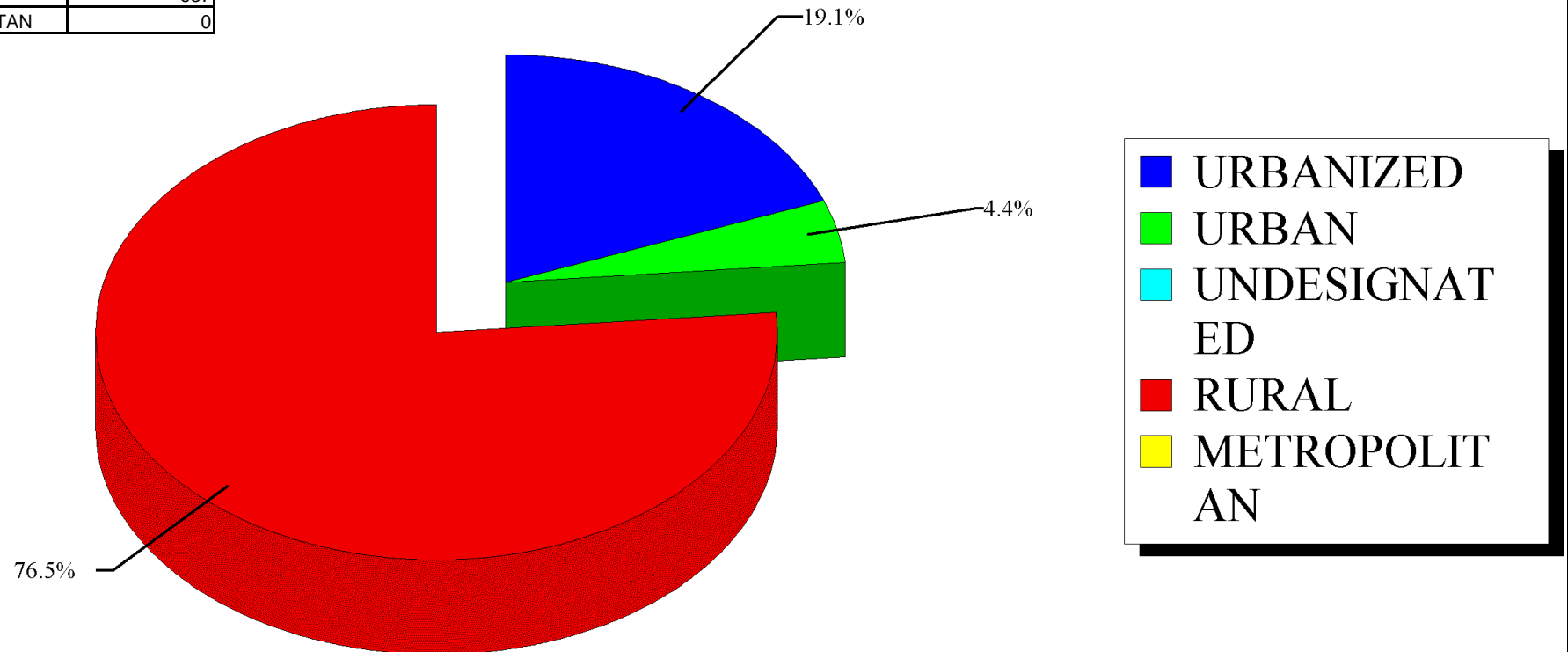


Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

2003 Fatal Accidents by Population Grouping
833 Fatal Accidents

Population Grouping	Total Fatal Accidents
URBANIZED	159
URBAN	37
UNDESIGNATED	0
RURAL	637
METROPOLITAN	0



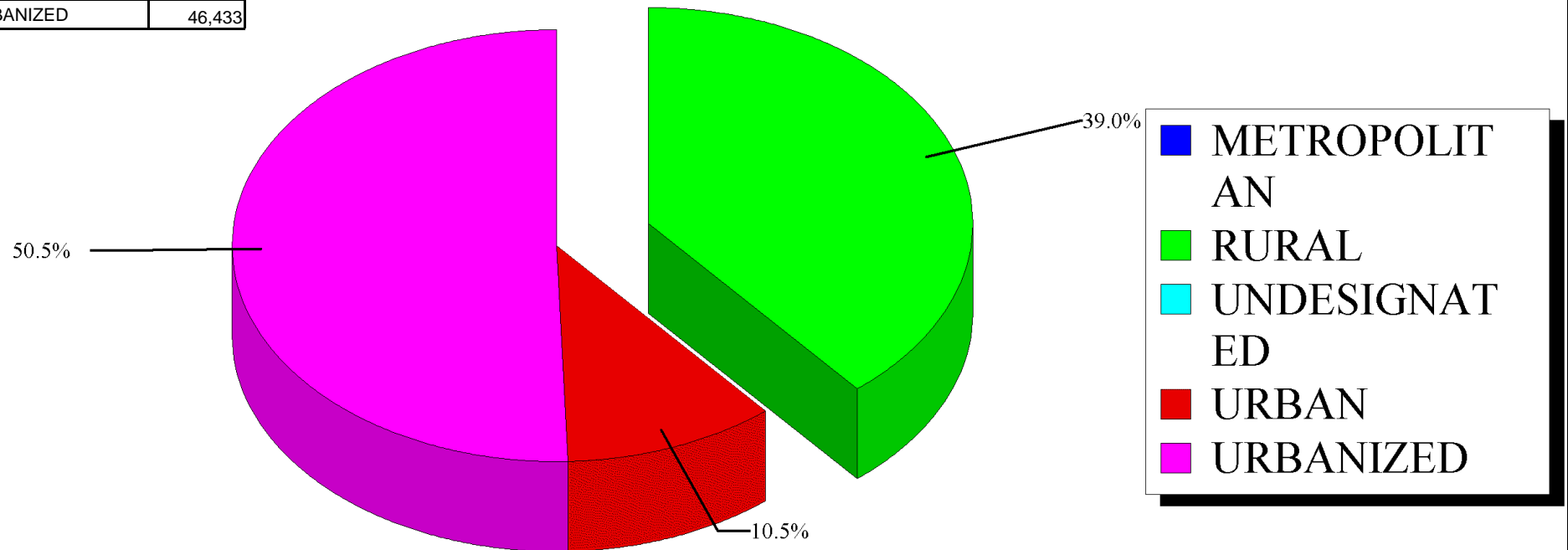


Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

2003 Accidents by Population Grouping 92,009 Total Accidents

Population Grouping	Total Accidents
METROPOLITAN	0
RURAL	35,876
UNDESIGNATED	0
URBAN	9,700
URBANIZED	46,433



Chapter 1-D : ACCIDENTS BY ROUTE MARKING

In 2003, 0.91% of all accidents occurring on the Missouri Highway System resulted in fatalities and 28.35% resulted in injuries. This section separates these total accidents according to the route marking of the highways on which they occurred. In 2003, state numbered routes had the highest percentage of total accidents and the highest percentage of fatal accidents.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Route Marking Designation**

Date: 8/12/2004

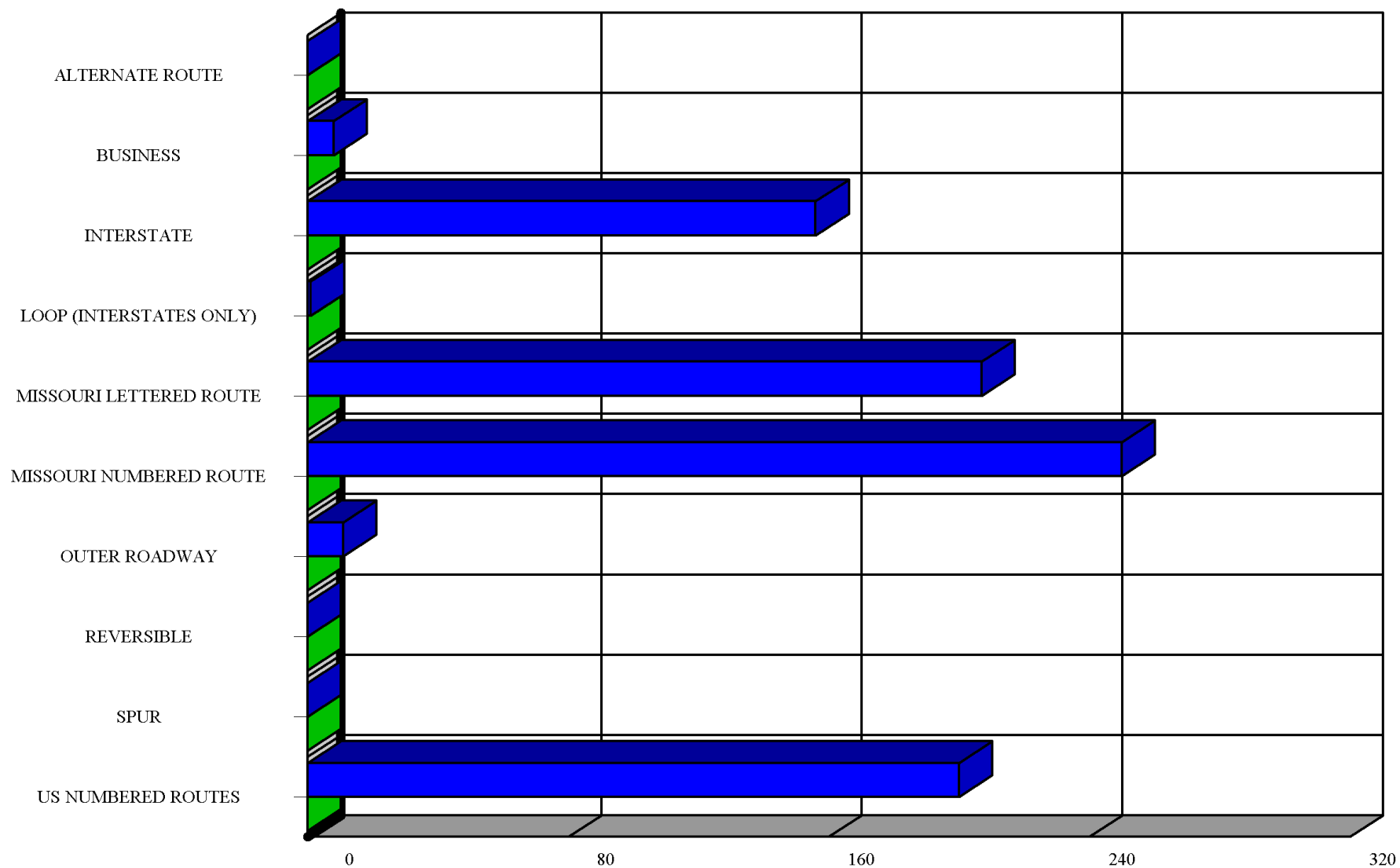
Route Marking Designation	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
ALTERNATE ROUTE	0	0	0	0	0	0
BUSINESS	8	9	818	1,263	2,150	2,976
INTERSTATE	156	187	5,149	7,701	15,312	20,617
LOOP (INTERSTATES ONLY)	1	1	281	429	699	981
MISSOURI LETTERED ROUTE	207	224	5,187	7,744	10,014	15,408
MISSOURI NUMBERED ROUTE	250	286	8,410	12,969	21,089	29,749
OUTER ROADWAY	11	13	486	753	1,512	2,009
REVERSIBLE	0	0	0	0	0	0
SPUR	0	0	30	42	130	160
US NUMBERED ROUTES	200	233	5,723	9,224	14,186	20,109
Totals	833	953	26,084	40,125	65,092	92,009



Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

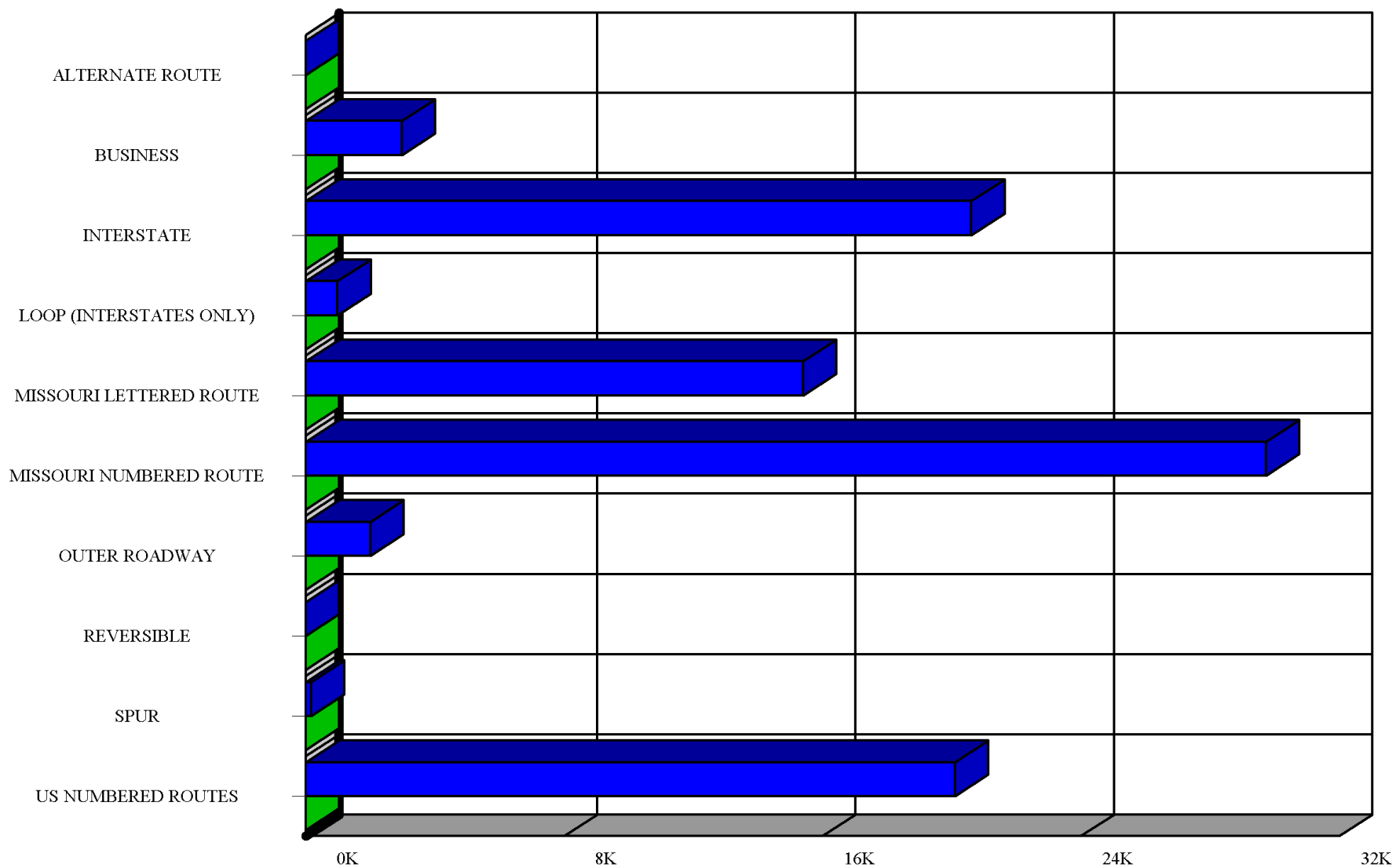
Fatal Accidents by Route Marking Designation 833 Fatal Accidents





Missouri Department of Transportation
Transportation Planning
Accidents by Route Marking Designation
92009 Total Accidents

Date: 8/12/2004



Chapter 1-F : ACCIDENTS BY DRIVER'S AGE

This section examines driver age in relation to accident involvement. The total number of drivers by age group consists of individuals holding a valid operators or chauffeurs license in the state of Missouri.



Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

2003 Accident Statistics by Drivers Age

Drivers Age Group	Driver Totals	% of Total Drivers	# Drivers In Accidents	% Drivers Involved in Accidents
16-20	302,923	6.83%	24,697	14.95%
21-25	392,587	8.85%	21,590	13.07%
26-30	376,264	8.49%	15,661	9.48%
31-35	414,965	9.36%	15,094	9.14%
36-40	425,667	9.60%	15,041	9.11%
41-45	471,342	10.63%	15,428	9.34%
46-50	436,875	9.85%	13,378	8.10%
51-55	373,689	8.43%	10,611	6.42%
55-60	309,315	6.98%	8,012	4.85%
61-65	244,208	5.51%	5,618	3.40%
66-70	193,988	4.37%	4,111	2.49%
71 & Over	490,889	11.07%	9,886	5.98%
Not Stated or Unknown	1,453	0.03%	6,065	3.67%



Missouri Department of Transportation
Transportation Planning
2003 Accidents by Drivers Age

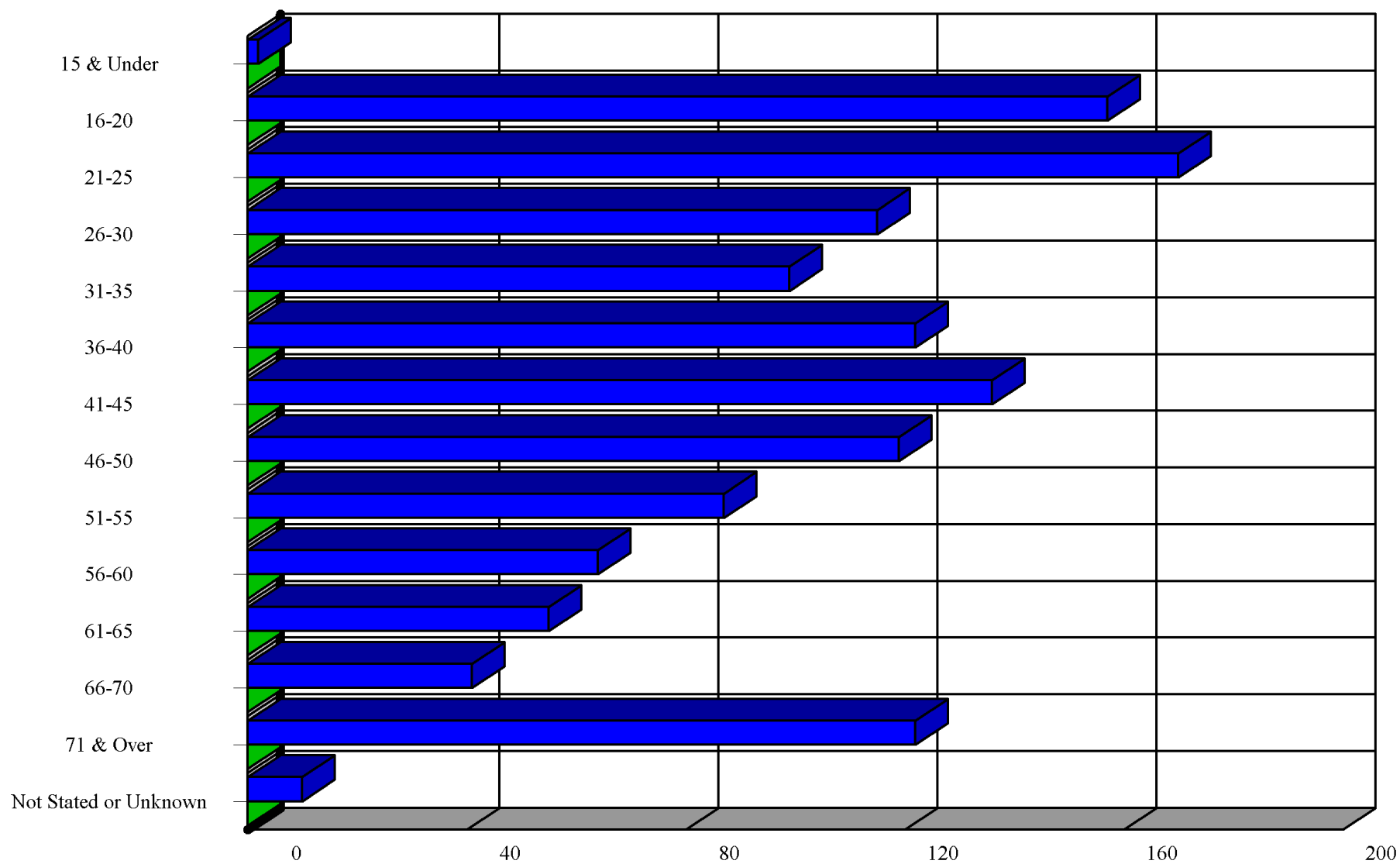
Date: 8/12/2004

Driver Age Group	DRIVERS INVOLVED IN			
	Fatal Accidents	Injury Accidents	PDO Accidents	Total Accidents
15 & Under	2	62	133	197
16-20	157	7,408	17,132	24,697
21-25	170	6,340	15,080	21,590
26-30	115	4,493	11,053	15,661
31-35	99	4,279	10,716	15,094
36-40	122	4,308	10,611	15,041
41-45	136	4,357	10,935	15,428
46-50	119	3,697	9,562	13,378
51-55	87	3,043	7,481	10,611
56-60	64	2,311	5,637	8,012
61-65	55	1,694	3,869	5,618
66-70	41	1,234	2,836	4,111
71 & Over	122	2,577	7,187	9,886
Not Stated or Unknown	10	867	5,188	6,065
TOTALS	1,299	46,670	117,420	165,389



Missouri Department of Transportation
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Fatal Accidents by Drivers Age
1307 Drivers Involved in 833 Accidents

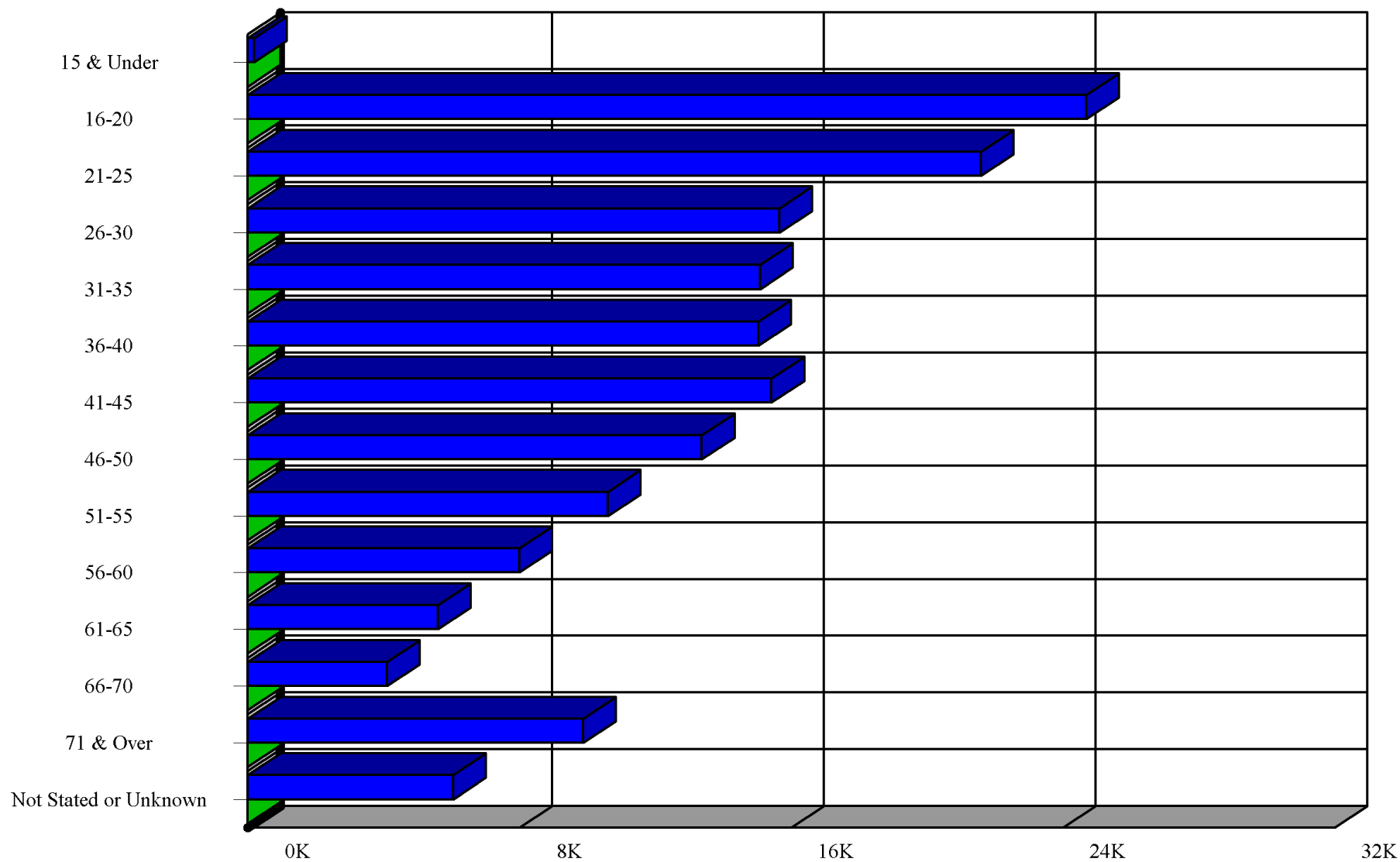
Date: 8/12/2004





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Total Accidents by Drivers Age
165389 Drivers Involved in 92009 Total Accidents

Date: 8/12/2004



Chapter 1-G : ACCIDENTS BY HOUR, DAY AND MONTH

The hour of 3:00 p.m. to 4:00 p.m. was the hour of highest percentage of total accidents. The hour of 4:00 p.m. to 5:00 p.m. was the hour of the highest percentage of fatal accidents during 2003.

Saturday was the day with the largest percentage of fatal accidents at 18%, while Friday accounted for the highest percentage of total accidents at 17.7%.

August had the largest number of fatal accidents as well as injury accidents. October had the largest number of total accidents in 2003.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Time of Day**

Date: 8/12/2004

Time of Day	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
12:00M - 12:59 AM	29	32	470	699	962	1,461
1:00 - 1:59 AM	31	35	479	676	858	1,368
2:00 - 2:59 AM	22	24	349	503	588	959
3:00 - 3:59 AM	21	24	291	409	483	795
4:00 - 4:59 AM	20	21	277	378	505	802
5:00 - 5:59 AM	10	11	419	567	905	1,334
6:00 - 6:59 AM	28	34	765	1,000	1,821	2,614
7:00 - 7:59 AM	36	37	1,307	1,900	3,619	4,962
8:00 - 8:59 AM	21	24	1,148	1,603	3,054	4,223
9:00 - 9:59 AM	38	41	961	1,473	2,489	3,488
10:00 - 10:59 AM	17	22	1,101	1,683	2,819	3,937
11:00 - 11:59 AM	42	48	1,383	2,088	3,584	5,009
12:00N - 12:59 PM	35	43	1,544	2,406	4,115	5,694
1:00 - 1:59 PM	40	46	1,629	2,534	3,896	5,565
2:00 - 2:59 PM	55	64	1,664	2,677	4,387	6,106
3:00 - 3:59 PM	53	62	2,285	3,614	5,941	8,279
4:00 - 4:59 PM	61	77	2,110	3,283	5,698	7,869
5:00 - 5:59 PM	44	54	2,098	3,278	5,660	7,802
6:00 - 6:59 PM	43	47	1,493	2,437	3,827	5,363
7:00 - 7:59 PM	34	37	1,092	1,819	2,491	3,617
8:00 - 8:59 PM	38	46	880	1,439	2,045	2,963
9:00 - 9:59 PM	34	38	878	1,449	2,049	2,961
10:00 - 10:59 PM	35	37	778	1,180	1,685	2,498
11:00 - 11:59 PM	38	41	619	947	1,265	1,922
NOT STATED	8	8	64	83	346	418
Totals	833	953	26,084	40,125	65,092	92,009



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Day of Week**

Date: 8/12/2004

Day of Week	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
MONDAY	109	116	3,638	5,470	9,160	12,907
TUESDAY	97	109	3,761	5,492	9,407	13,265
WEDNESDAY	116	135	3,786	5,767	10,011	13,913
THURSDAY	104	110	3,820	5,772	10,272	14,196
FRIDAY	133	164	4,389	6,792	11,720	16,242
SATURDAY	150	176	3,723	5,993	8,358	12,231
SUNDAY	124	143	2,967	4,839	6,164	9,255
UNKNOWN	0	0	0	0	0	0
Totals	833	953	26,084	40,125	65,092	92,009



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Month**

Date: 8/12/2004

Month	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
JANUARY	63	69	1,914	2,769	4,945	6,922
FEBRUARY	48	62	1,871	2,783	5,077	6,996
MARCH	49	53	1,922	3,006	4,589	6,560
APRIL	69	90	2,033	3,119	4,943	7,045
MAY	85	99	2,405	3,788	5,683	8,173
JUNE	70	76	2,299	3,565	5,673	8,042
JULY	85	93	2,227	3,475	5,275	7,587
AUGUST	88	105	2,416	3,835	5,453	7,957
SEPTEMBER	62	69	2,256	3,404	5,584	7,902
OCTOBER	82	89	2,401	3,716	6,132	8,615
NOVEMBER	78	89	2,122	3,321	5,845	8,045
DECEMBER	54	59	2,218	3,344	5,893	8,165
Totals	833	953	26,084	40,125	65,092	92,009



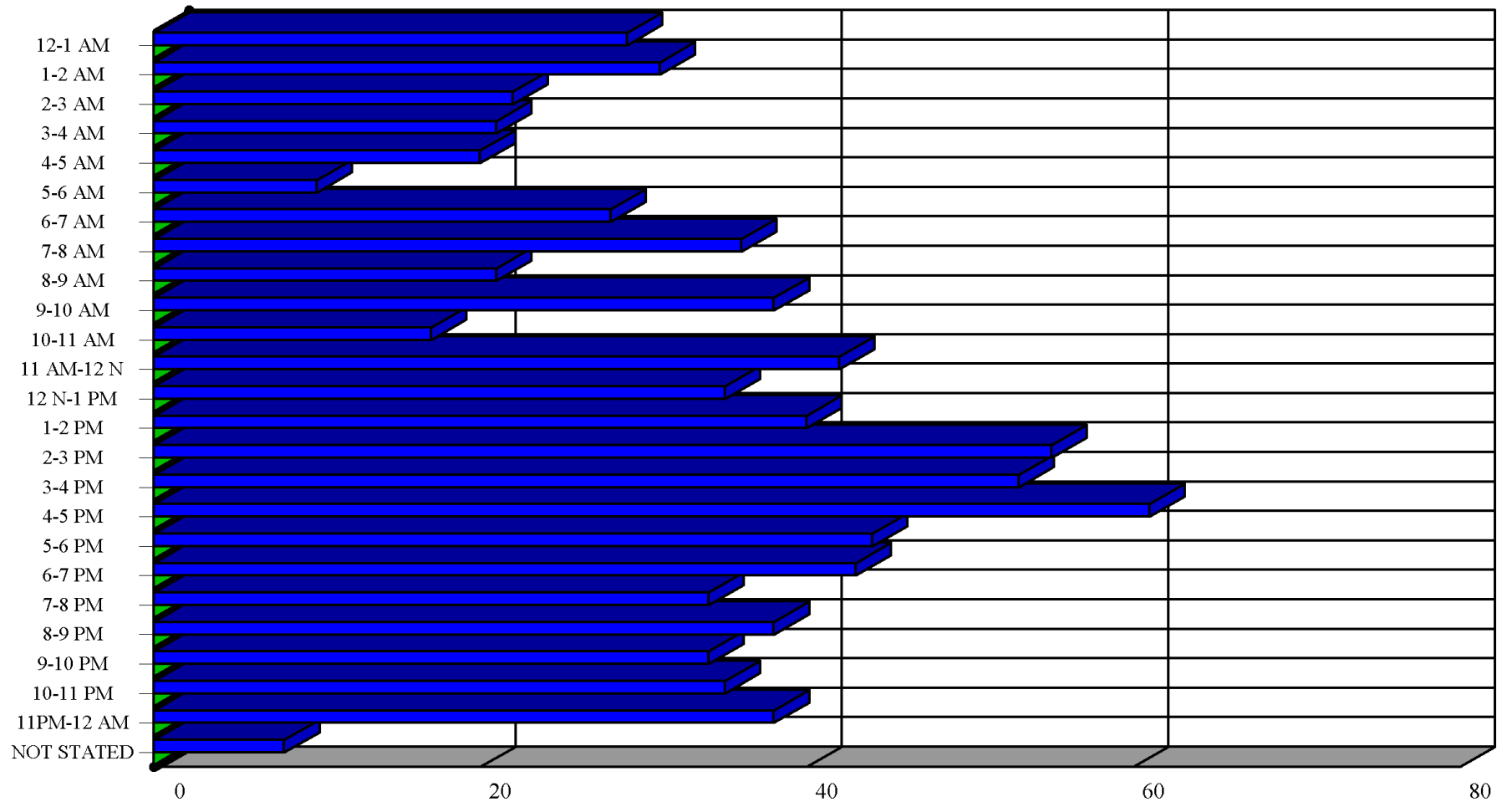
Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Fatal Accidents by Time of Day

833 Fatal Accidents

12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
29	31	22	21	20	10	28	36	21	38	17	42	35	40	55	53	61	44	43	34	38	34	35	38	8





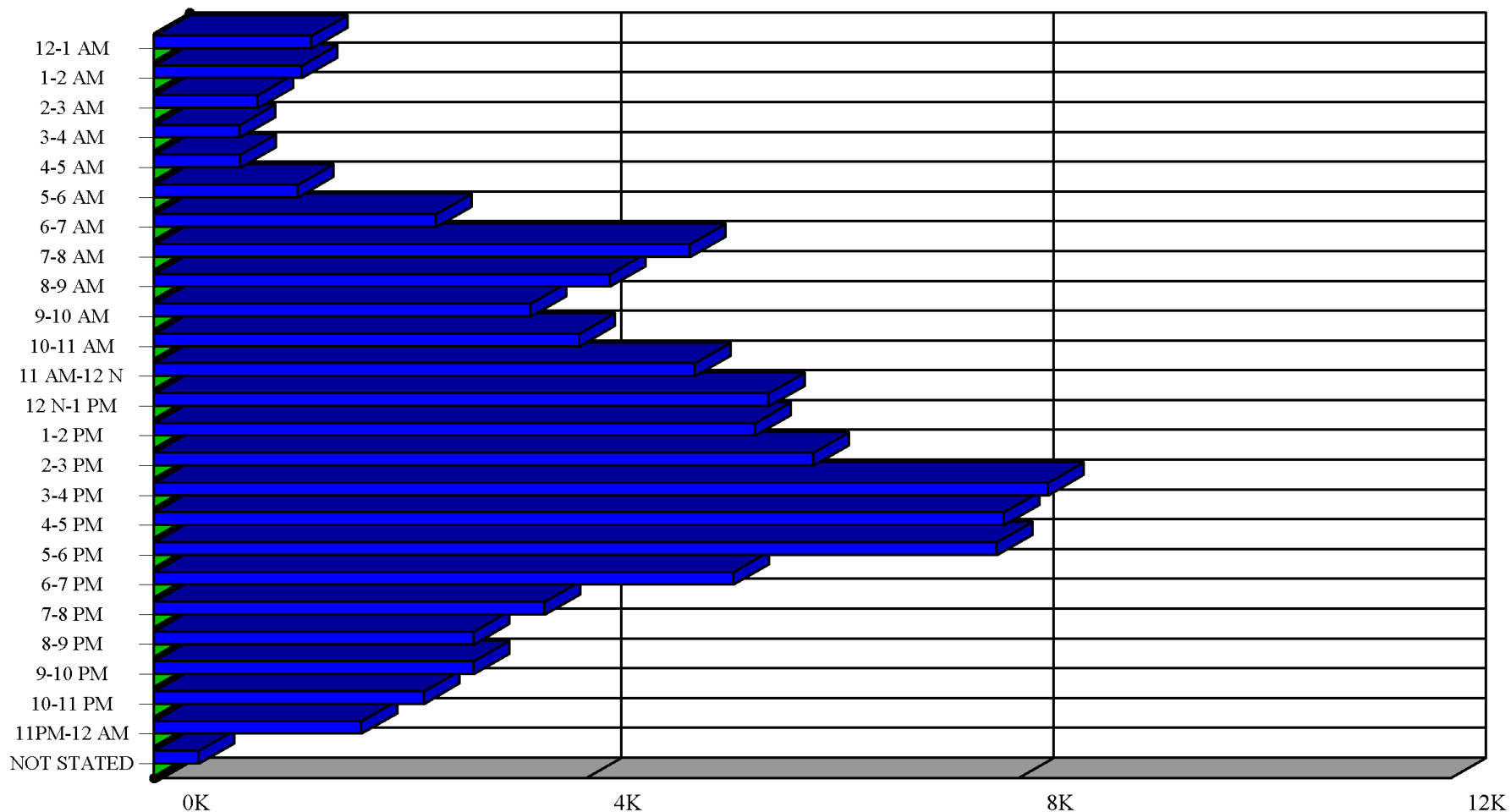
Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Total Accidents by Time of Day

92009 Total Accidents

12-1 AM	1-2 AM	2-3 AM	3-4 AM	4-5 AM	5-6 AM	6-7 AM	7-8 AM	8-9 AM	9-10 AM	10-11 AM	11 AM-12 N	12 N-1 PM	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM	7-8 PM	8-9 PM	9-10 PM	10-11 PM	11PM-12 AM	NOT STATED
1461	1368	959	795	802	1334	2614	4962	4223	3488	3937	5009	5694	5565	6106	8279	7869	7802	5363	3617	2963	2961	2498	1922	418





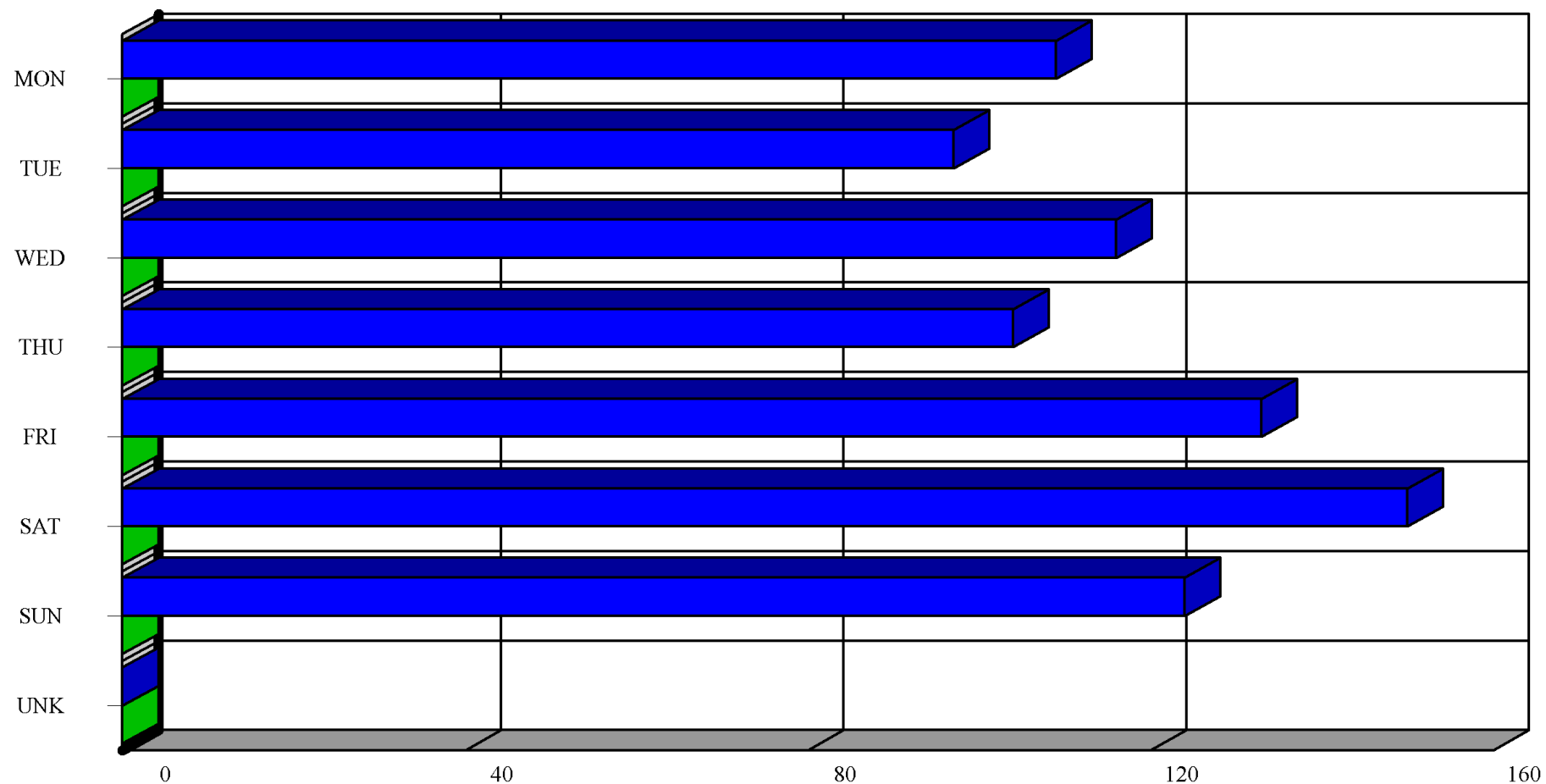
Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

Fatal Accidents by Day of Week

833 Fatal Accidents

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
109	97	116	104	133	150	124	0





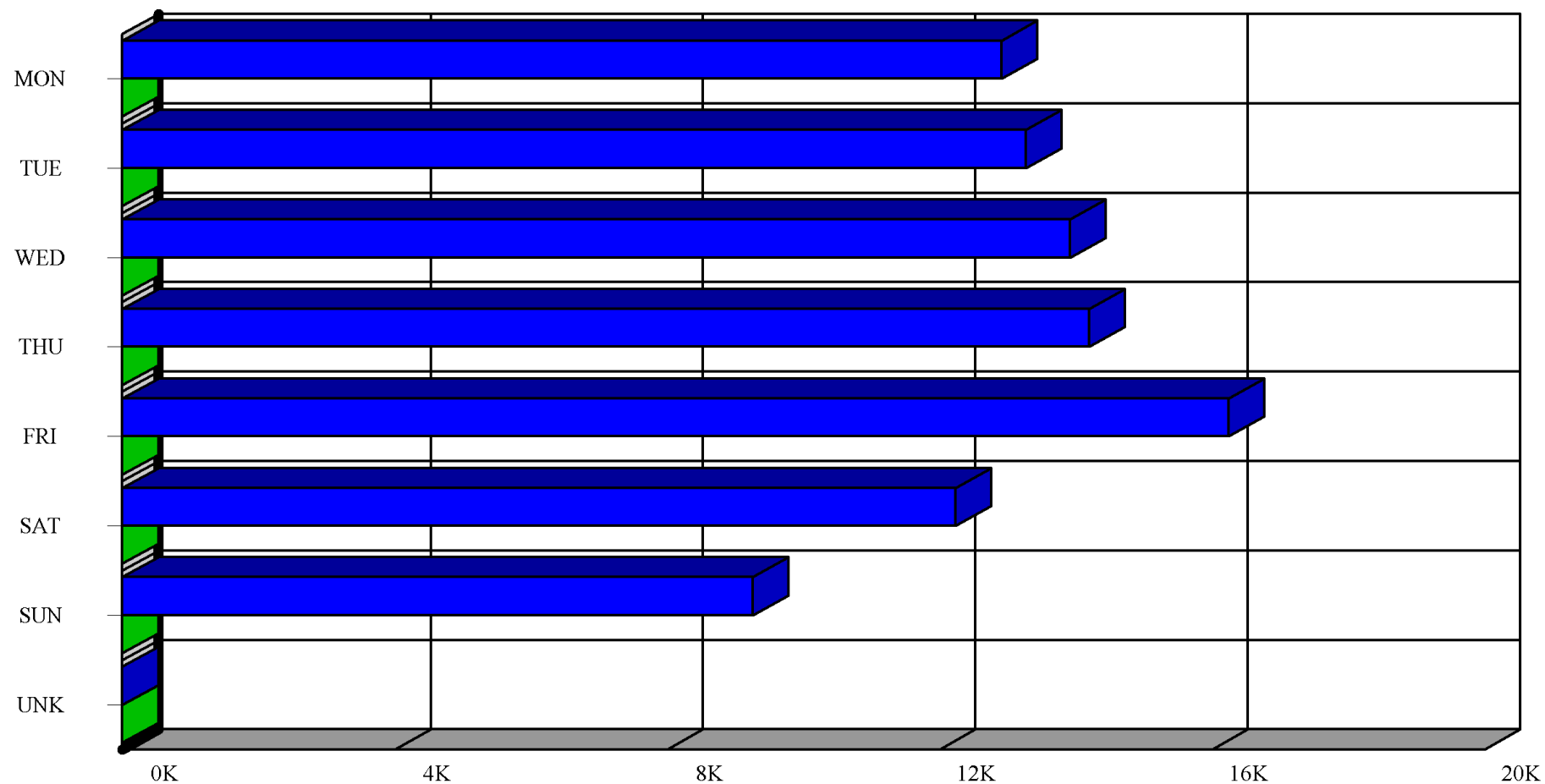
Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

Total Accidents by Day of Week

92009 Total Accidents

MON	TUE	WED	THU	FRI	SAT	SUN	UNK
12907	13265	13913	14196	16242	12231	9255	0



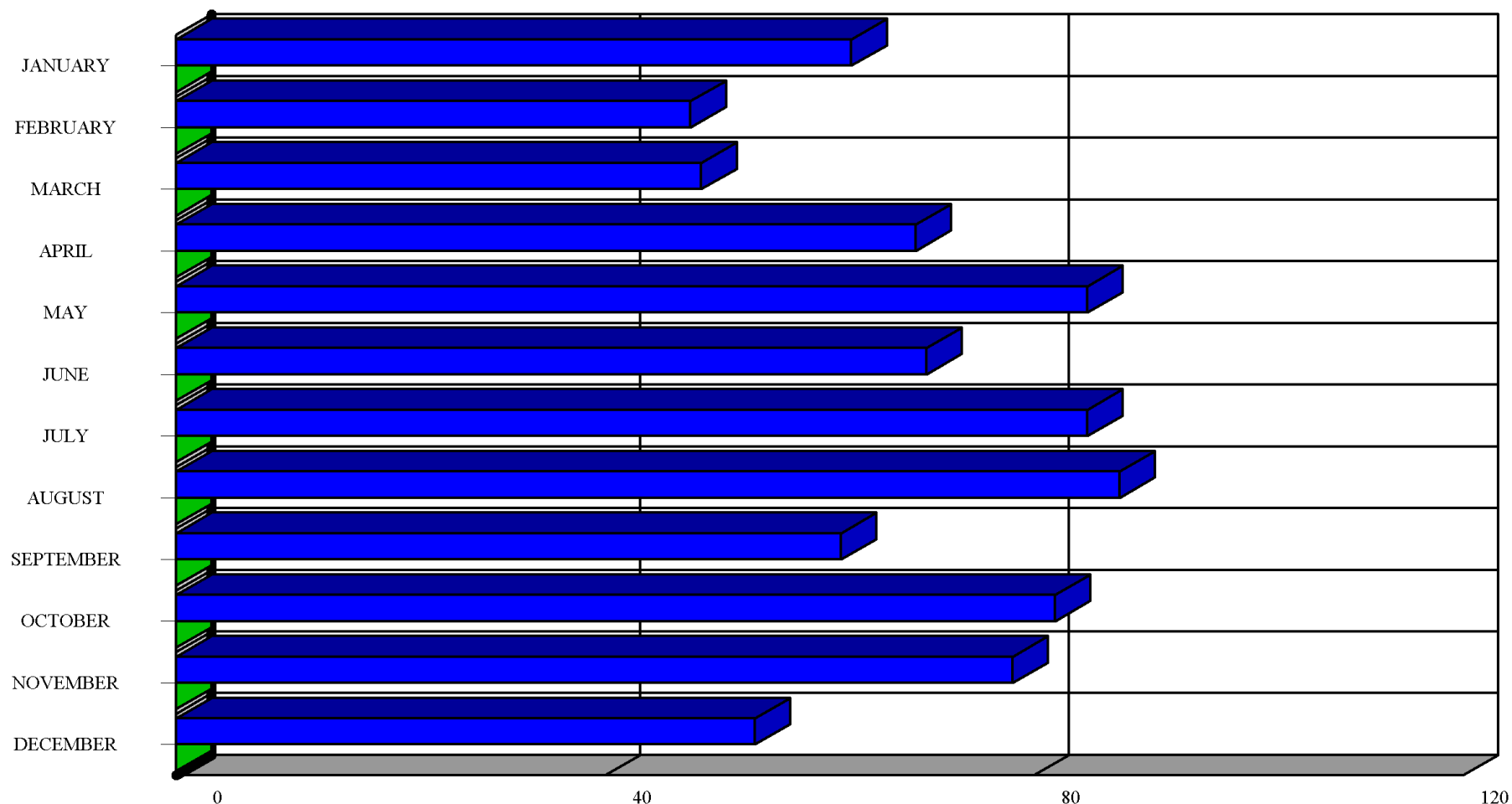


Missouri Department of Transportation Transportation Planning Fatal Accidents by Month

Date: 8/12/2004

833 Fatal Accidents

JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
63	48	49	69	85	70	85	88	62	82	78	54



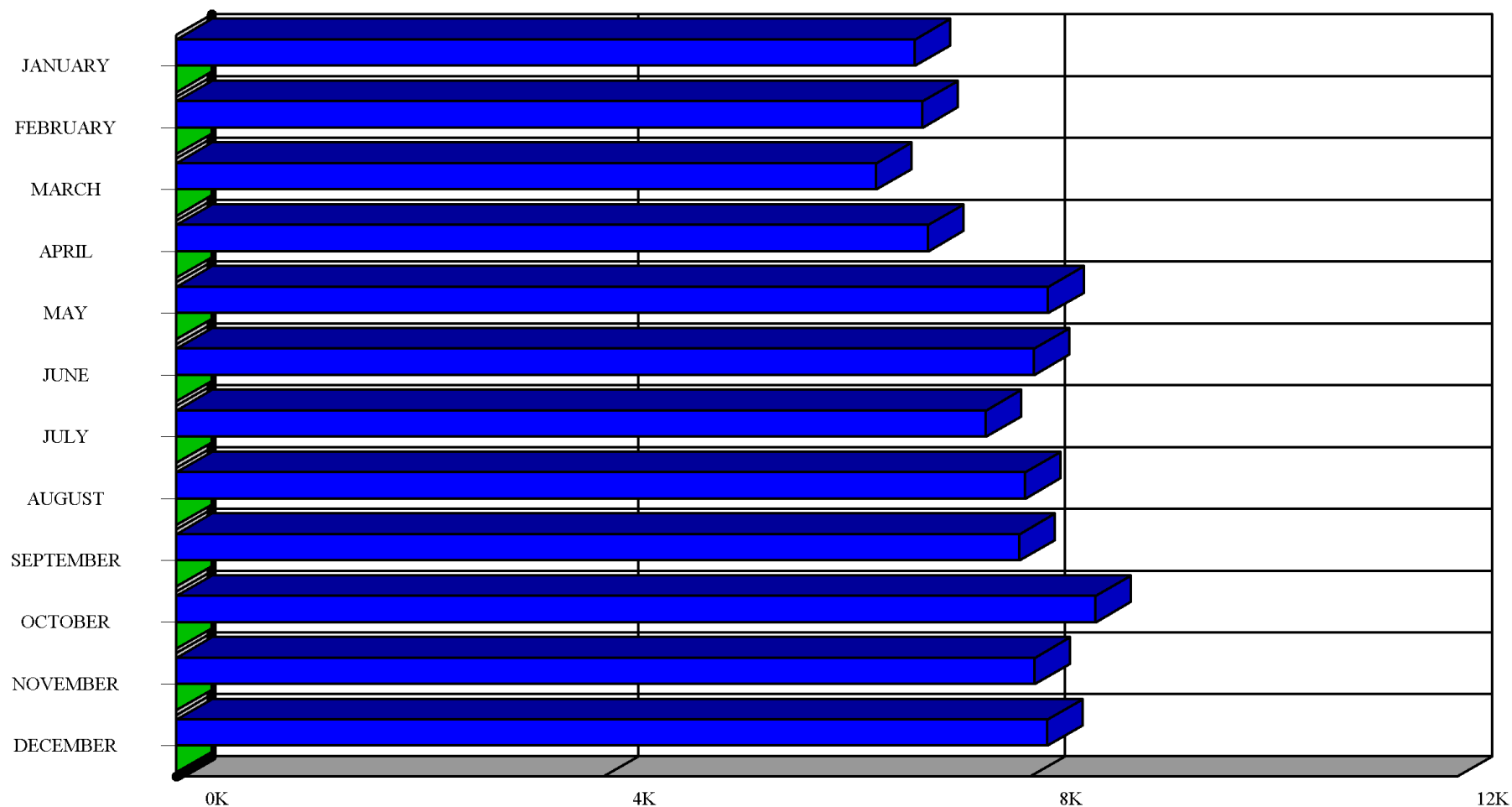


Missouri Department of Transportation Transportation Planning Total Accidents by Month

Date: 8/12/2004

92009 Total Accidents

JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
6922	6996	6560	7045	8173	8042	7587	7957	7902	8615	8045	8165	



Chapter 1-H : ACCIDENTS BY WEATHER CONDITION

The examination of weather conditions reveals that, in 2003, a majority of fatal, injury and total accidents occurred under ideal weather conditions.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Weather Condition**

Date: 8/12/2004

Weather Condition	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
CLEAR	500	563	15,553	24,044	37,300	53,353
CLOUDY	251	288	7,151	11,124	16,251	23,653
FOG/MIST	9	9	271	388	555	835
FREEZING	3	3	84	122	220	307
NOT STATED	4	4	127	164	3,147	3,278
RAIN	47	63	2,058	3,084	5,187	7,292
SLEET	5	7	77	119	181	263
SNOW	14	16	763	1,080	2,251	3,028
Totals	833	953	26,084	40,125	65,092	92,009



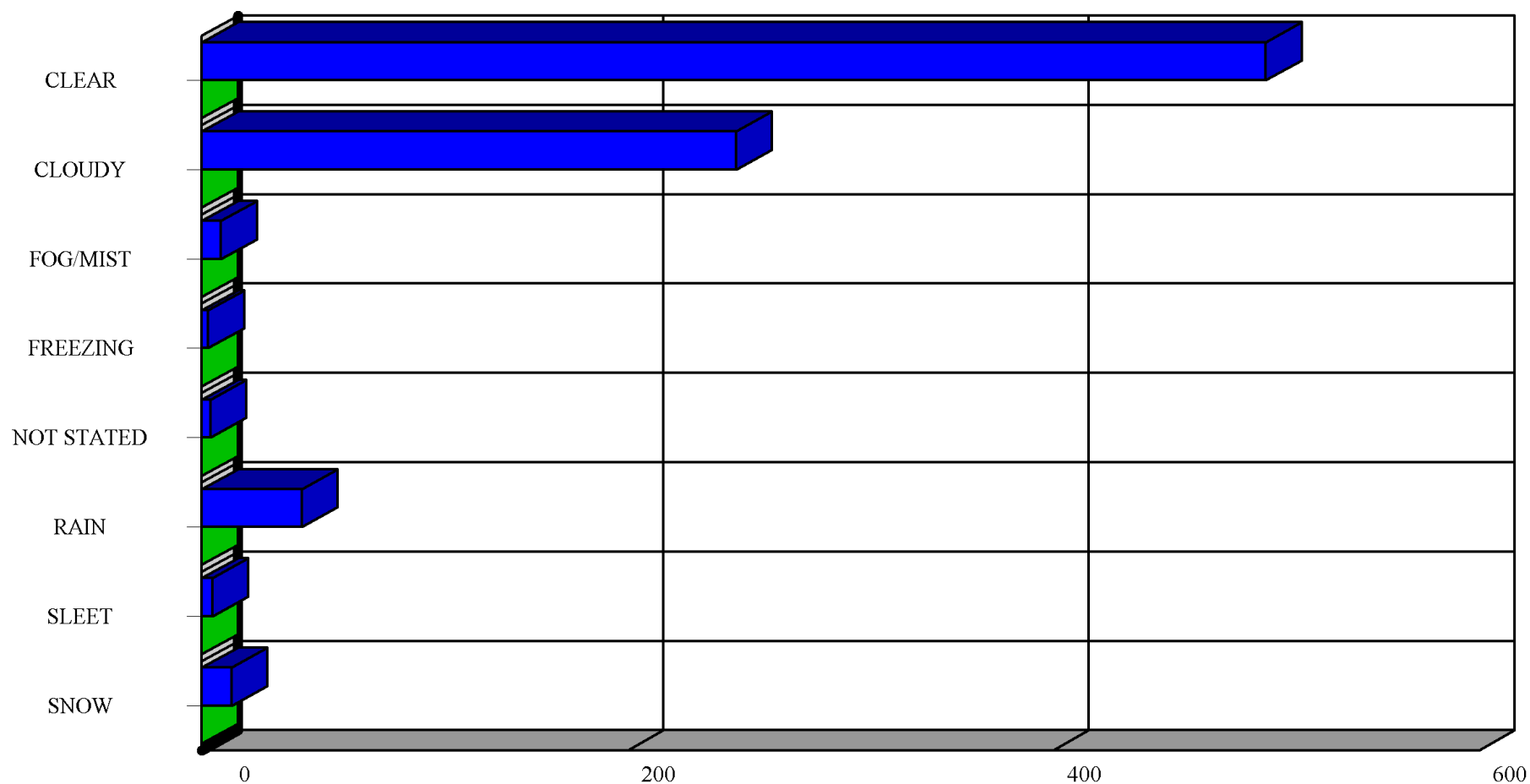
Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Fatal Accidents by Weather Condition

833 Fatal Accidents

CLEAR	CLOUDY	FOG/MIST	FREEZING	NOT STATED	RAIN	SLEET	SNOW
500	251	9	3	4	47	5	14





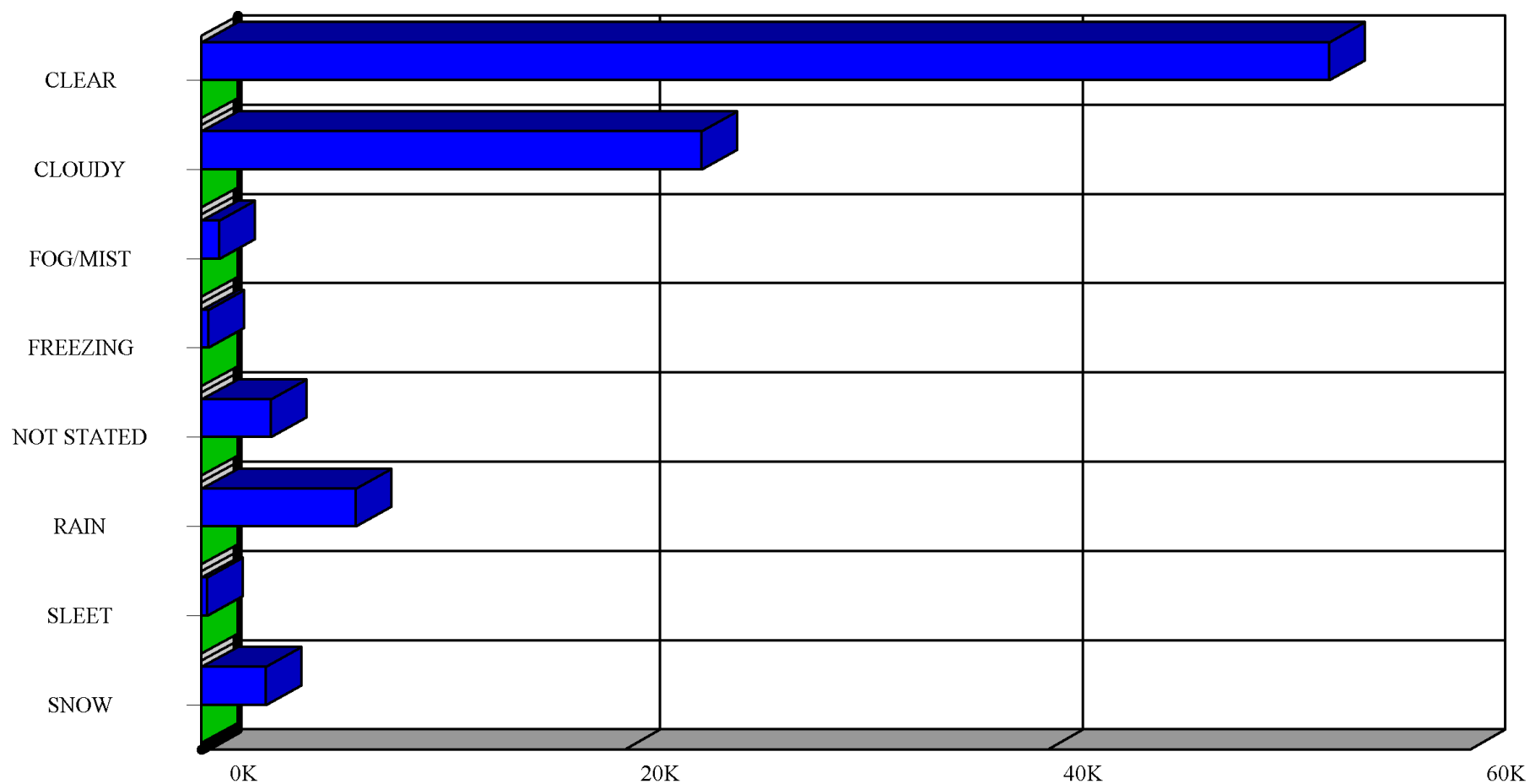
Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

Total Accidents by Weather Condition

92009 Total Accidents

CLEAR	CLOUDY	FOG/MIST	FREEZING	NOT STATED	RAIN	SLEET	SNOW
53353	23653	835	307	3278	7292	263	3028



Chapter 1-I : ACCIDENTS BY VEHICLE TYPE

This section reviews the types of vehicles involved in accidents. The totals shown represent all vehicles as a separate accident; therefore, vehicle totals will not agree with the accident totals.

In 2003, the ratio of passenger cars involved in fatal accidents to those involved in all accidents was 1:131.73. For motorcycles, this ratio was 1:19.22.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Vehicle Type**

Date: 8/12/2004

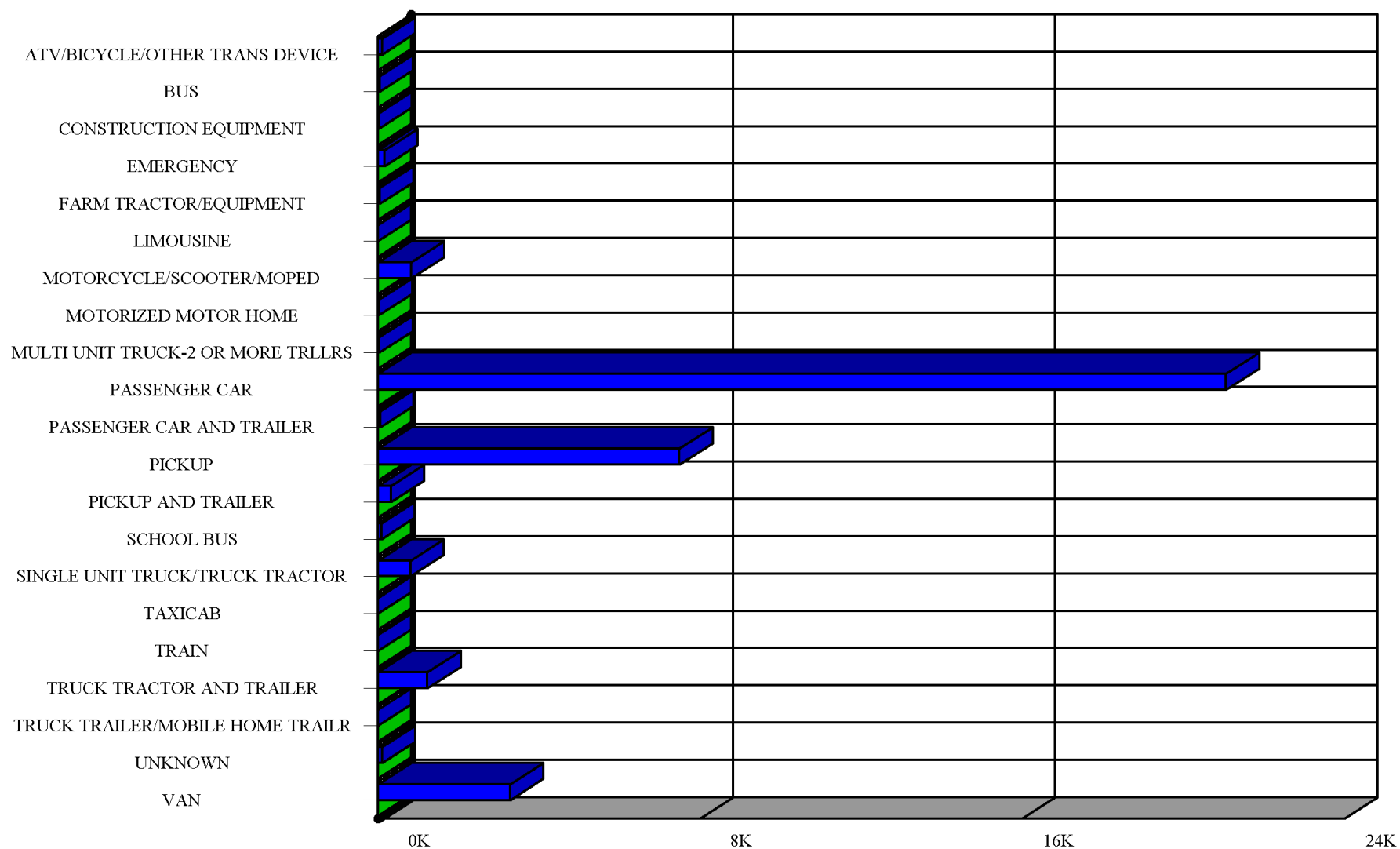
Vehicle Type	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
ATV/BICYCLE/OTHER TRANS DEVICE	9	9	109	157	415	533
BUS	0	0	46	123	125	171
CONSTRUCTION EQUIPMENT	1	1	21	33	65	87
EMERGENCY	2	2	167	265	629	798
FARM TRACTOR/EQUIPMENT	3	3	56	78	83	142
LIMOUSINE	0	0	8	11	11	19
MOTORCYCLE/SCOOTER/MOPED	54	63	825	1,016	159	1,038
MOTORIZED MOTOR HOME	3	3	27	43	157	187
MULTI UNIT TRUCK-2 OR MORE TRLLRS	3	3	42	64	161	206
PASSENGER CAR	566	654	21,066	33,053	52,923	74,555
PASSENGER CAR AND TRAILER	1	1	60	117	209	270
PICKUP	240	278	7,491	11,827	19,310	27,041
PICKUP AND TRAILER	18	23	330	567	1,141	1,489
SCHOOL BUS	5	5	86	268	224	315
SINGLE UNIT TRUCK/TRUCK TRACTOR	42	45	815	1,220	2,669	3,526
TAXICAB	0	0	0	0	0	0
TRAIN	5	5	9	18	5	19
TRUCK TRACTOR AND TRAILER	98	123	1,234	1,880	4,119	5,451
TRUCK TRAILER/MOBILE HOME TRAILR	0	0	0	0	0	0
UNKNOWN	3	3	111	149	660	774
VAN	81	103	3,284	5,746	8,322	11,687
Totals	1,134	1,324	35,787	56,635	91,387	128,308



Missouri Department of Transportation
Transportation Planning
Injury Accidents by Vehicle Type

Date: 8/12/2004

35787 Vehicles in INJURY Accidents

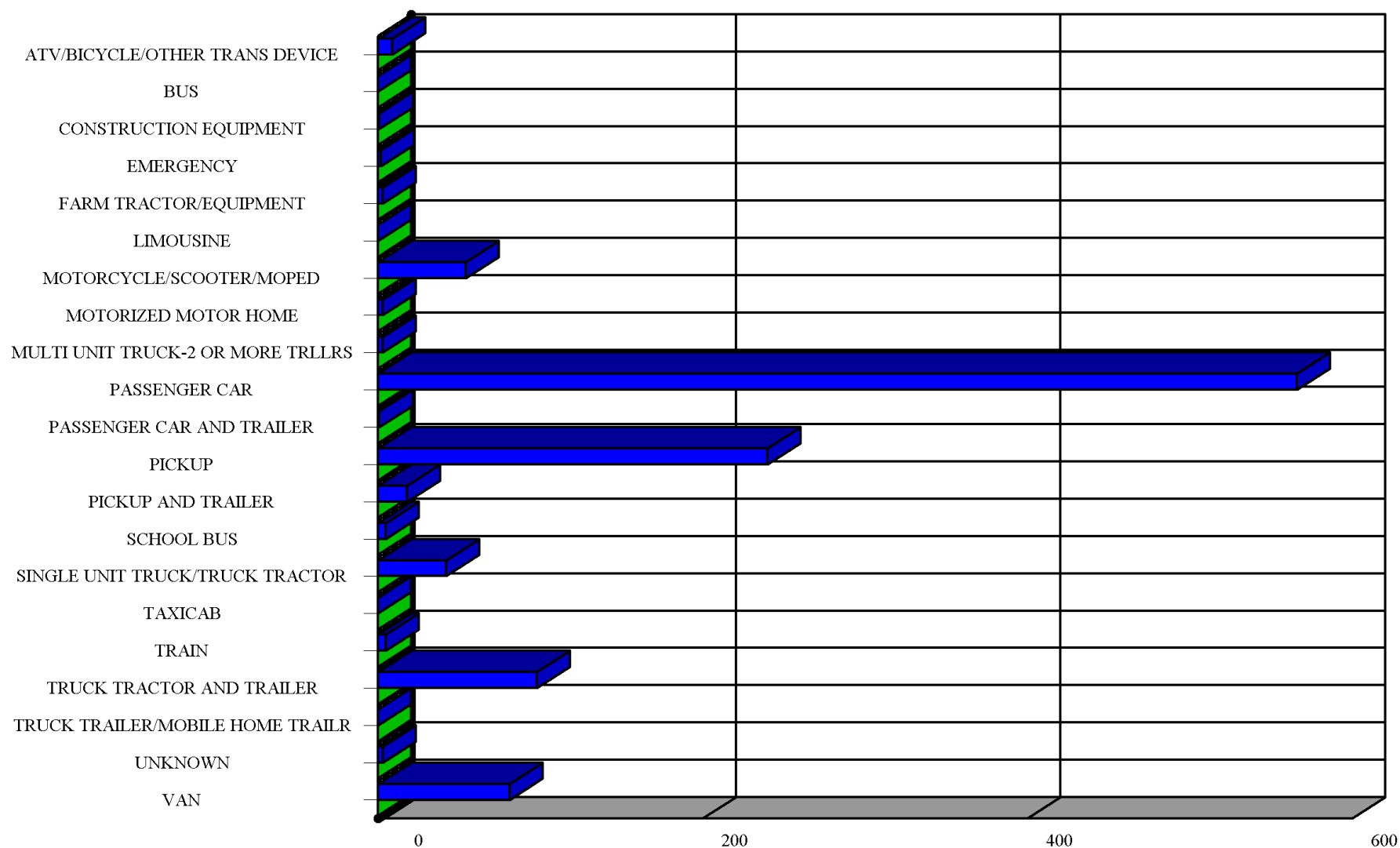




Missouri Department of Transportation
Transportation Planning
Fatal Accidents by Vehicle Type

Date: 8/12/2004

1134 Vehicles in FATAL Accidents

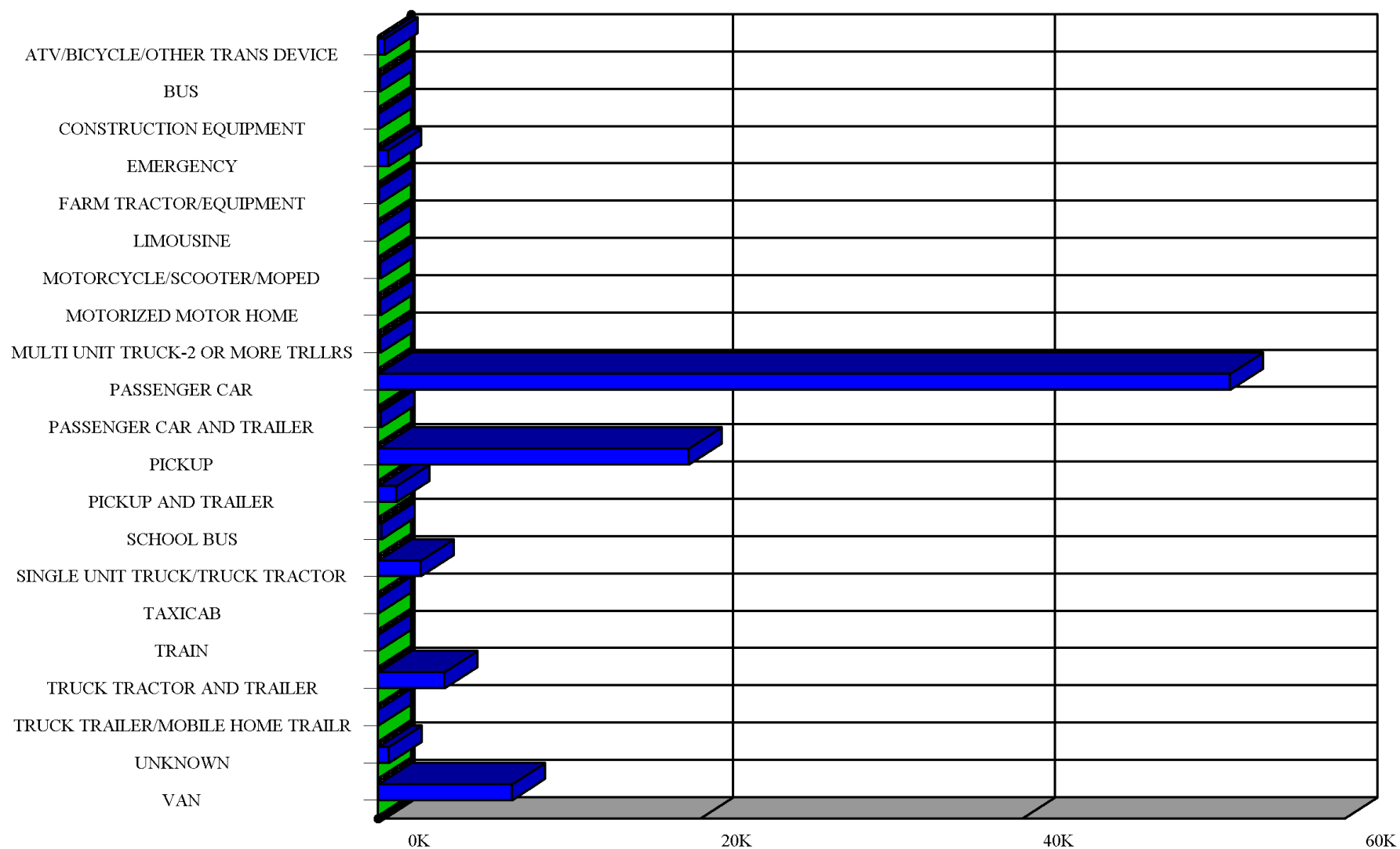




Missouri Department of Transportation
Transportation Planning
PDO Accidents by Vehicle Type

Date: 8/12/2004

91387 Vehicles in PDO Accidents

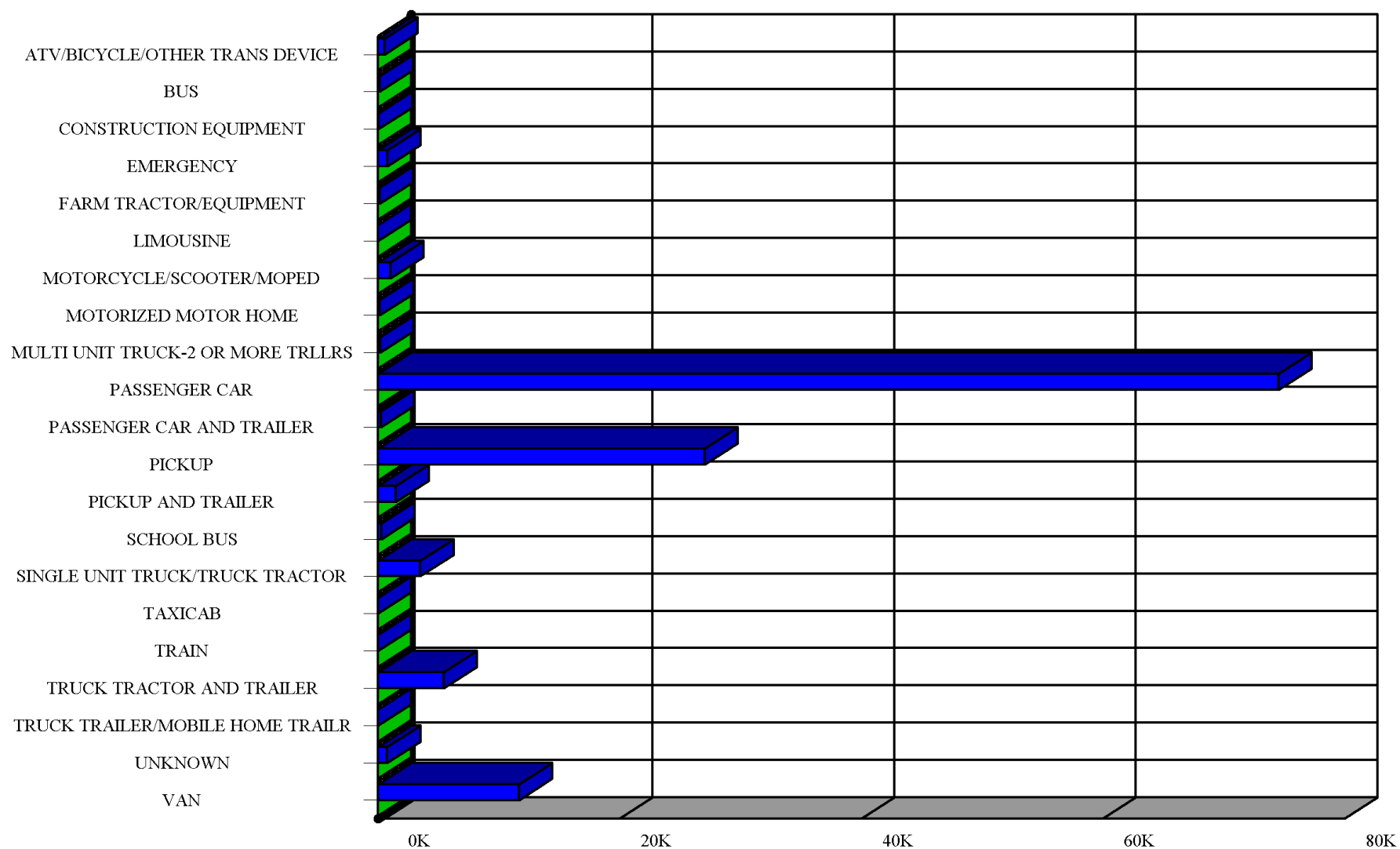




Missouri Department of Transportation
Transportation Planning
Total Accidents by Vehicle Type

Date: 8/12/2004

128308 Vehicles in Accidents



Chapter 1-J : ACCIDENTS BY LIGHT CONDITION

This section reviews the total reported accidents to determine whether they occurred during dark hours or daylight hours.

During 2003, 72.2% of the total accidents and 59.4% of the fatal accidents occurred during daylight hours.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Light Condition**

Date: 8/12/2004

Light Condition	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
DARK - NO STREET LIGHTS	275	305	4,315	6,567	8,824	13,414
DARK W/ STREET LIGHTS OFF	2	2	136	193	370	508
DARK W/ STREET LIGHTS ON	54	57	2,902	4,485	7,437	10,393
DAYLIGHT	495	582	18,411	28,404	47,524	66,430
NOT STATED/UNKNOWN	7	7	320	476	937	1,264
Totals	833	953	26,084	40,125	65,092	92,009

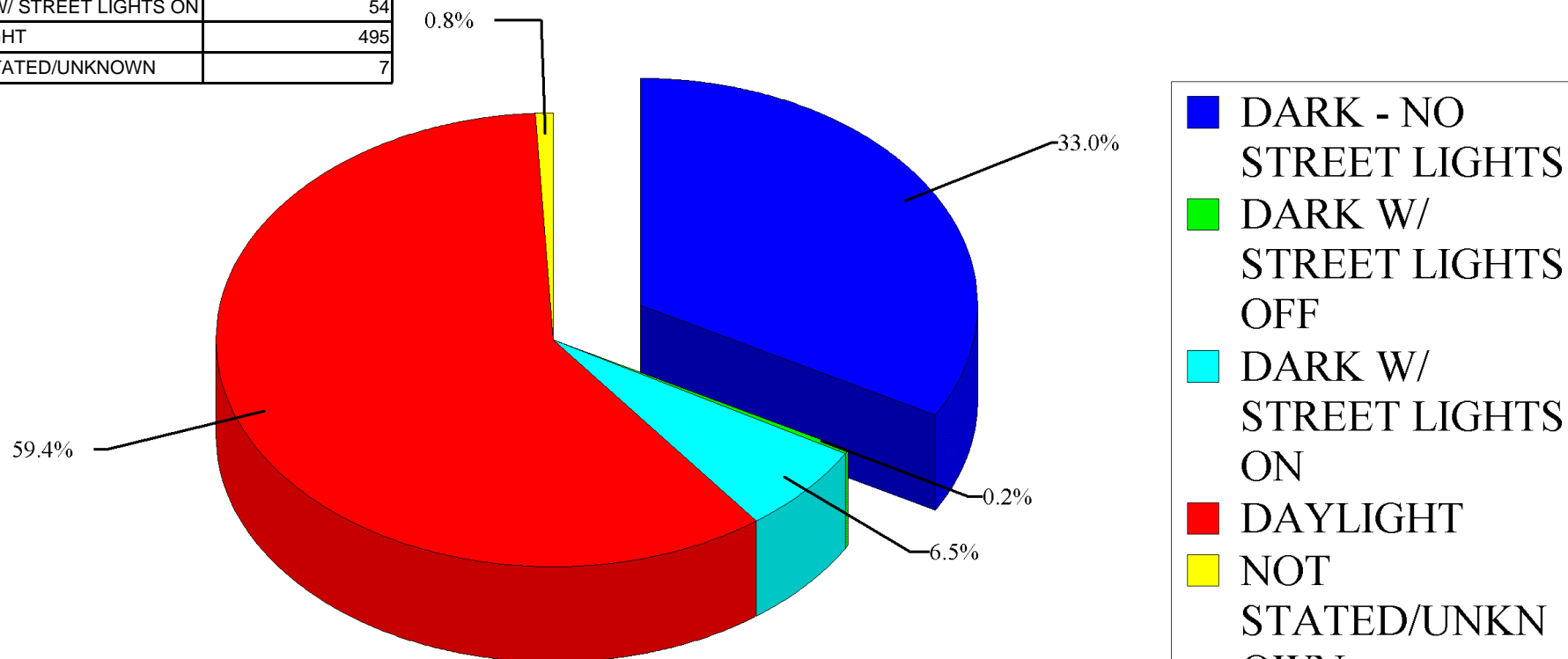


Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

2003 Fatal Accidents by Light Condition
833 Fatal Accidents

Light Condition	Total Fatal Accidents
DARK - NO STREET LIGHTS	275
DARK W/ STREET LIGHTS OFF	2
DARK W/ STREET LIGHTS ON	54
DAYLIGHT	495
NOT STATED/UNKNOWN	7



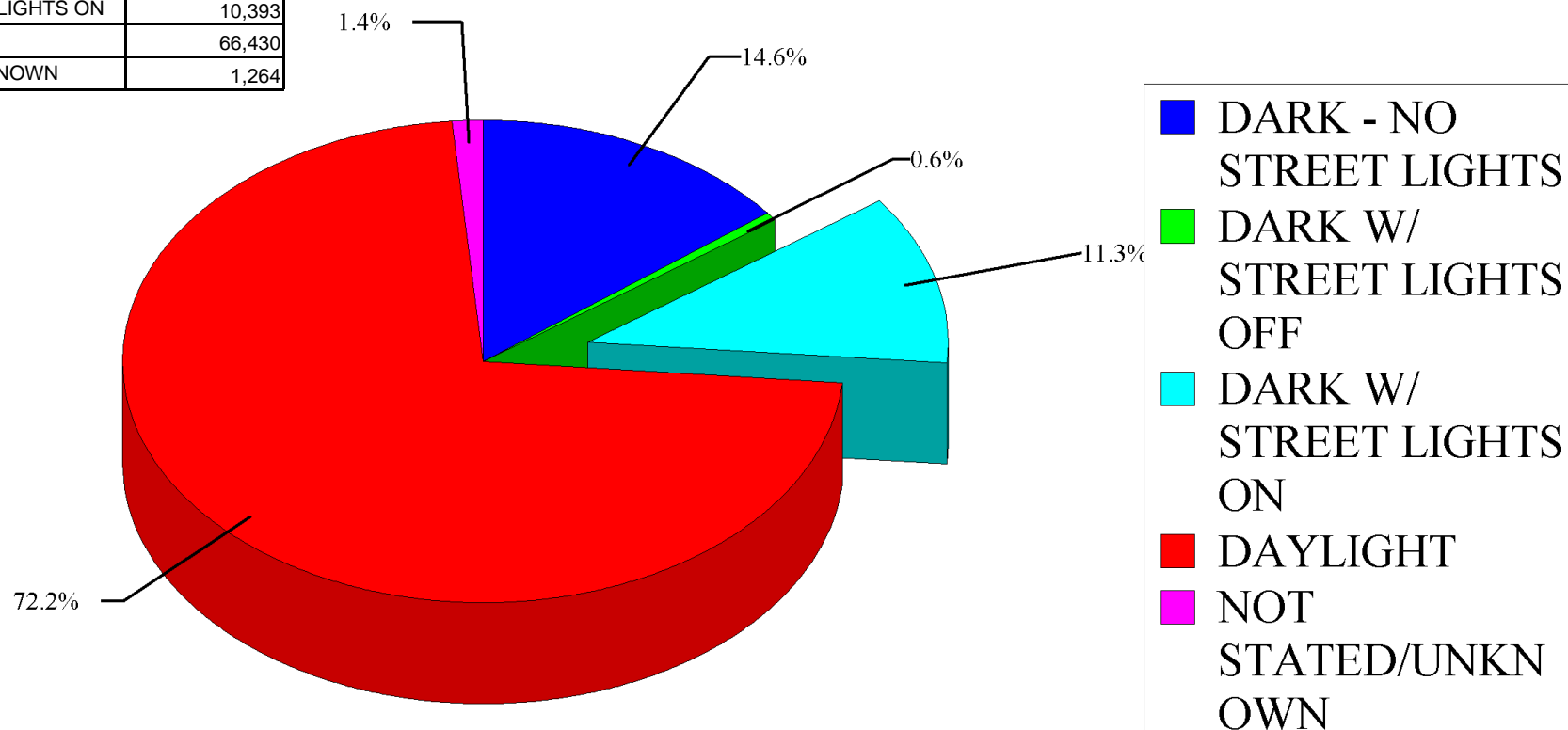


Missouri Department of Transportation
Transportation Planning
2003 Accidents by Light Condition

Date: 8/12/2004

92,009 Total Accidents

Light Condition	Total Accidents
DARK - NO STREET LIGHTS	13,414
DARK W/ STREET LIGHTS OFF	508
DARK W/ STREET LIGHTS ON	10,393
DAYLIGHT	66,430
NOT STATED/UNKNOWN	1,264



Chapter 1-K : ACCIDENTS BY FIXED OBJECT STRUCK

This section examines all accidents involving vehicle contact with a fixed object. In 2003, embankments, trees, and sign posts were struck most frequently as they were involved in 53.2% of the fatal fixed object accidents and 39.2% of all fixed object accidents.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Fixed Object Struck**

Date: 8/12/2004

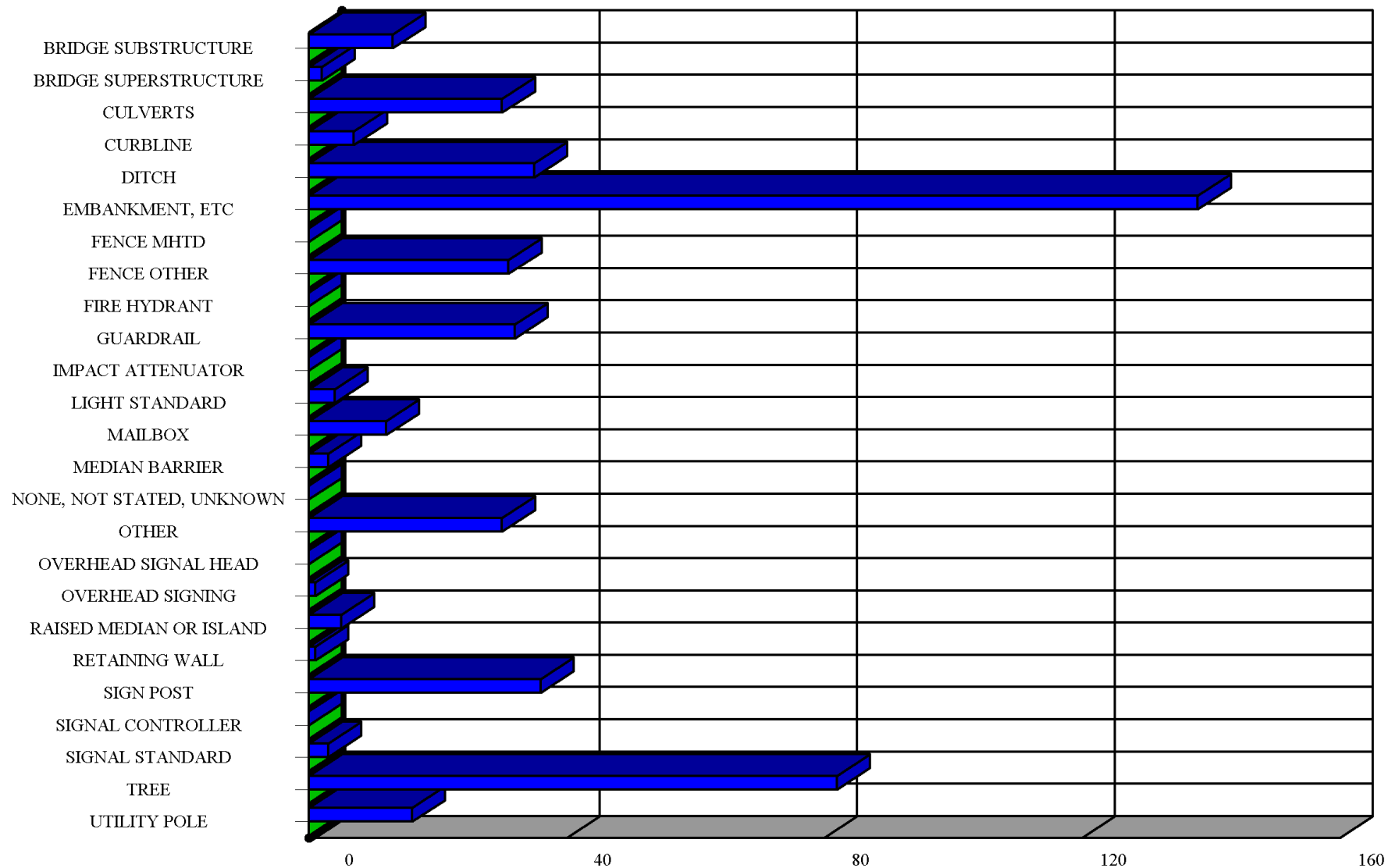
Fixed Object Struck	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
BRIDGE SUBSTRUCTURE	13	16	75	115	133	221
BRIDGE SUPERSTRUCTURE	2	2	32	36	29	63
CULVERTS	30	32	369	480	330	729
CURBLINE	7	8	131	175	374	512
DITCH	35	36	1,010	1,331	1,367	2,412
EMBANKMENT, ETC	138	147	2,266	3,106	1,992	4,396
FENCE MHTD	0	0	0	0	0	0
FENCE OTHER	31	36	714	935	1,143	1,888
FIRE HYDRANT	0	0	7	7	29	36
GUARDRAIL	32	36	727	979	1,387	2,146
IMPACT ATTENUATOR	0	0	15	18	51	66
LIGHT STANDARD	4	4	64	74	124	192
MAILBOX	12	12	171	224	298	481
MEDIAN BARRIER	3	4	409	529	838	1,250
NONE, NOT STATED, UNKNOWN	0	0	0	0	0	0
OTHER	30	32	384	484	712	1,126
OVERHEAD SIGNAL HEAD	0	0	0	0	0	0
OVERHEAD SIGNING	1	1	17	21	21	39
RAISED MEDIAN OR ISLAND	5	5	305	403	592	902
RETAINING WALL	1	1	56	64	102	159
SIGN POST	36	38	570	742	1,283	1,889
SIGNAL CONTROLLER	0	0	0	0	0	0
SIGNAL STANDARD	3	3	32	38	105	140
TREE	82	95	1,178	1,583	961	2,221
UTILITY POLE	16	17	363	464	459	838
Totals	481	525	8,895	11,808	12,330	21,706



Missouri Department of Transportation
Transportation Planning
Fatal Accidents by Fixed Object Struck

Date: 8/12/2004

481 Fatal Accidents

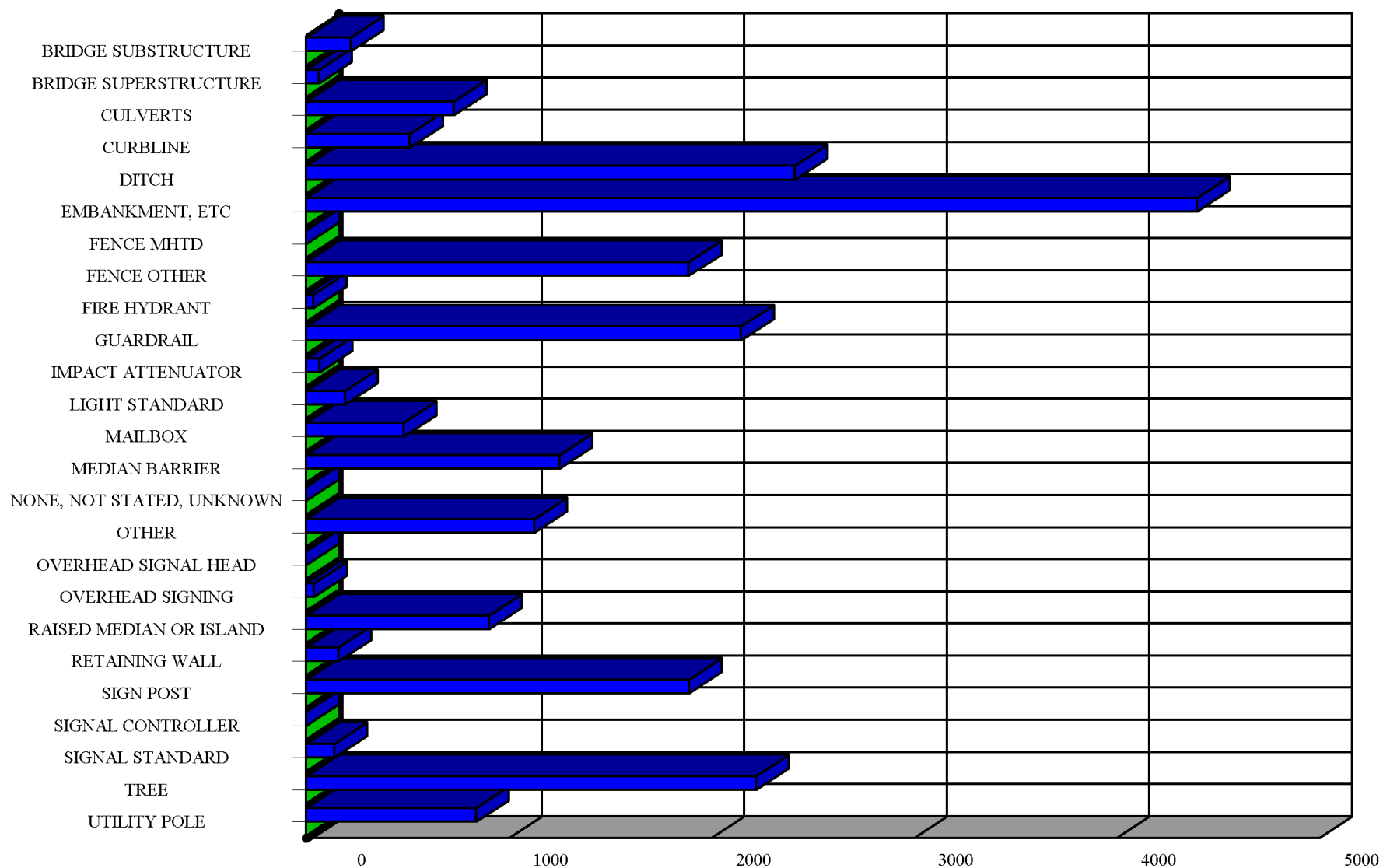




Missouri Department of Transportation
Transportation Planning
Total Accidents by Fixed Object Struck

Date: 8/12/2004

21706 Total Accidents



Chapter 1-L : ACCIDENTS BY INTERSECTION TYPE

In 2003, 44.3% of the total accidents occurring on the Missouri Highway System were at intersections with public roads or streets. These accidents resulted in 24.4% of the total fatal accidents. Interchanges represented 17.2% of the total accidents and 6.2% of fatal accidents.



**Missouri Department of Transportation
Transportation Planning
2003 Accidents by Intersection Type**

Date: 8/12/2004

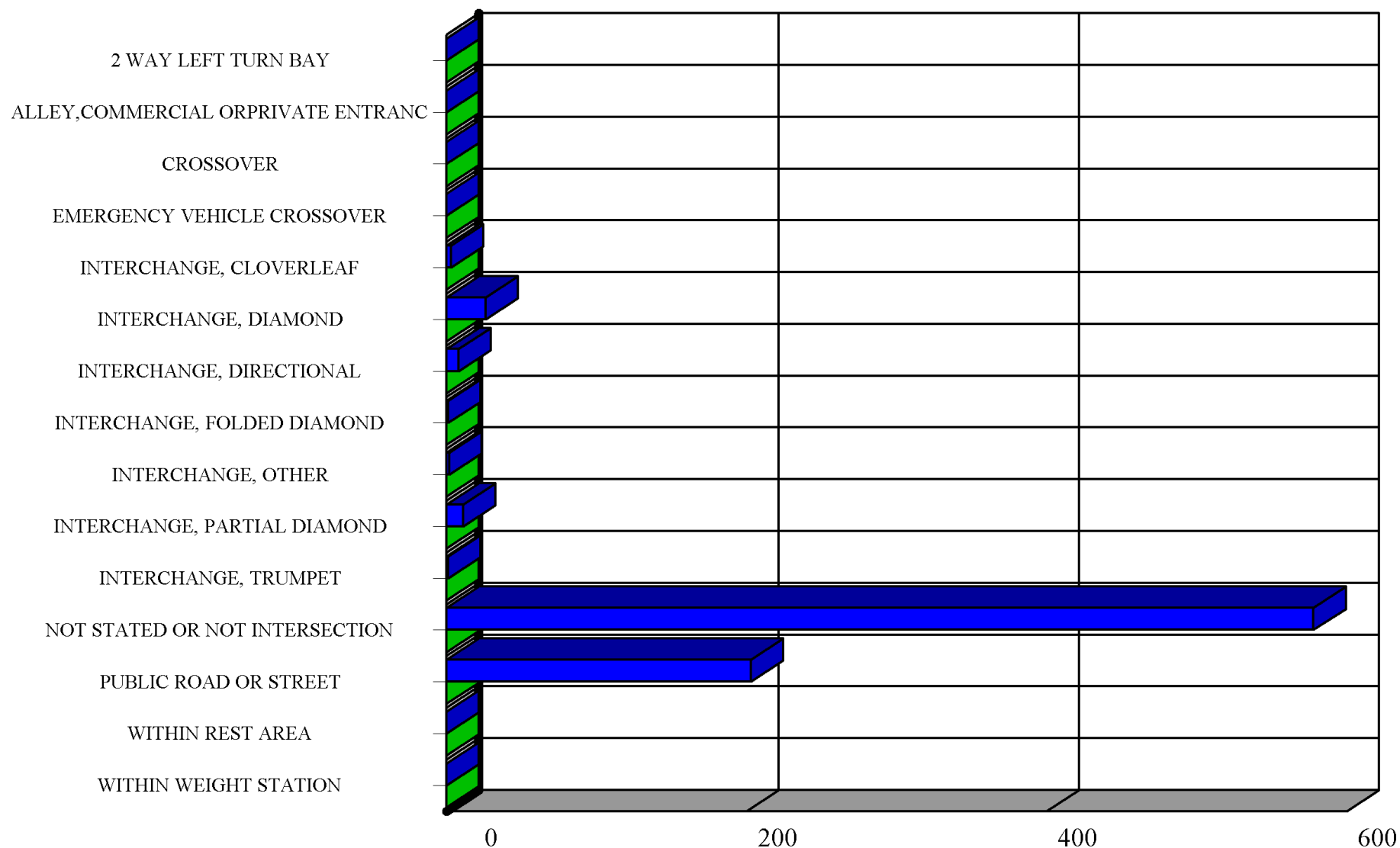
Intersection Type	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
2 WAY LEFT TURN BAY	0	0	0	0	0	0
ALLEY, COMMERCIAL OR PRIVATE ENTRANCE	0	0	51	68	129	180
CROSSOVER	0	0	0	0	0	0
EMERGENCY VEHICLE CROSSOVER	0	0	0	0	0	0
INTERCHANGE, CLOVERLEAF	3	4	414	550	1,199	1,616
INTERCHANGE, DIAMOND	26	31	1,781	2,642	5,949	7,756
INTERCHANGE, DIRECTIONAL	8	8	442	613	1,657	2,107
INTERCHANGE, FOLDED DIAMOND	1	1	65	96	215	281
INTERCHANGE, OTHER	2	2	330	486	1,083	1,415
INTERCHANGE, PARTIAL DIAMOND	11	12	604	873	1,838	2,453
INTERCHANGE, TRUMPET	1	1	36	46	138	175
NOT STATED OR NOT INTERSECTION	578	671	11,362	17,229	23,305	35,245
PUBLIC ROAD OR STREET	203	223	10,999	17,522	29,575	40,777
WITHIN REST AREA	0	0	0	0	4	4
WITHIN WEIGHT STATION	0	0	0	0	0	0
Totals	833	953	26,084	40,125	65,092	92,009



Missouri Department of Transportation
Transportation Planning
Fatal Accidents by Intersection Type

Date: 8/12/2004

833 Fatal Accidents

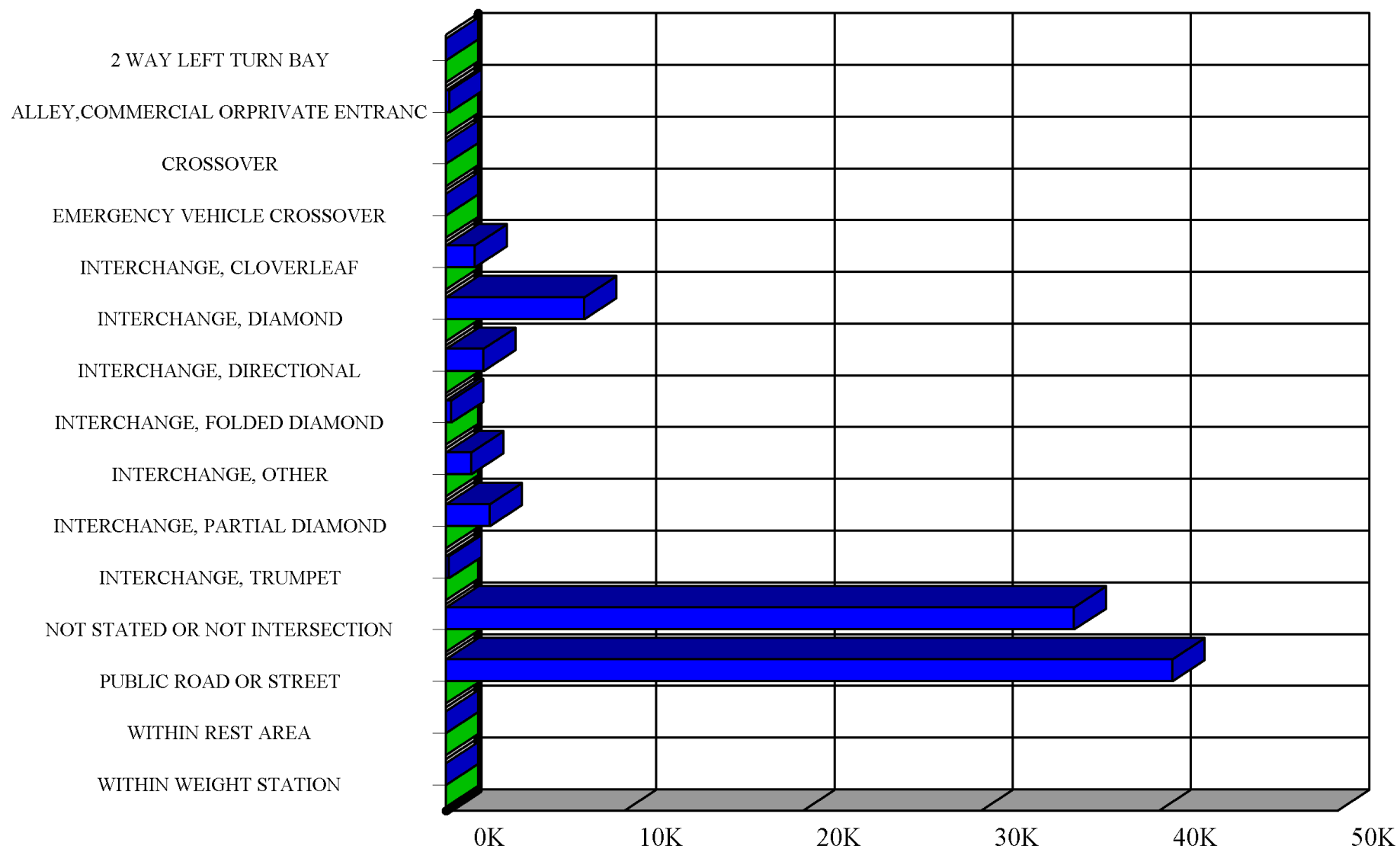




Missouri Department of Transportation
Transportation Planning
Total Accidents by Intersection Type

Date: 8/12/2004

92009 Total Accidents



Chapter 1-M : ACCIDENTS INVOLVING PEDESTRIANS

Pedestrian fatalities increased 19.3% in 2003 compared to 2002.

62.5% of pedestrian fatalities and 46.5% of pedestrian injuries occurred during the hours of darkness in 2003.

The age span of 15-24 years accounted for 26.6% of the pedestrian injuries during 2003.

The age span of 15-24 years accounted for 17.5% of the pedestrian fatalities during 2003. The age span of 35-44 years also accounted for 17.5% of the pedestrian fatalities during 2003.



Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

2003 Accidents by Pedestrian Maneuver by Age

Pedestrian Maneuver	0-4 Fatal	0-4 Injury	5-9 Fatal	5-9 Injury	10-14 Fatal	10-14 Injury	15-24 Fatal	15-24 Injury	25-34 Fatal	25-34 Injury	35-44 Fatal	35-44 Injury	45-54 Fatal	45-54 Injury	55-64 Fatal	55-64 Injury	65-74 Fatal	65-74 Injury	75 & Up Fatal	75 & Up Injury	Not Stated Fatal	Not Stated Injury	Totals
BEHIND PARKED CAR	0	0	0	2	0	2	0	9	1	8	1	4	0	6	1	1	0	3	0	1	0	0	39
CROSSWALK MARKED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GETTING ON/OFF VEHICLE	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	3
NOT STATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOT STATED/UNKNWN/NO PEDS	0	0	0	0	0	2	0	3	0	5	0	0	0	0	0	5	0	0	0	2	0	0	17
OFF ROADWAY	0	0	0	0	0	0	1	5	0	3	1	2	0	2	0	1	0	1	0	2	0	0	18
OTHER IN ROAD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER WORKING	0	0	0	0	0	0	0	0	0	2	0	2	0	4	0	0	1	0	0	0	0	0	9
PLAYING IN ROAD	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
PUSHING/WORKING ON VEHICLE	0	0	0	0	0	0	0	3	0	1	0	1	0	1	1	0	0	0	0	0	0	0	7
SIGNAL MOVEMENT	0	3	3	9	0	15	2	30	2	11	3	10	1	12	1	6	0	7	1	9	0	0	125
STANDING IN ROAD	0	0	0	1	0	0	3	9	1	6	2	5	3	6	2	2	0	2	0	2	0	0	44
WALKING AGAINST TRAFFIC	0	0	0	1	0	2	1	5	0	3	0	3	1	0	1	1	1	0	0	0	0	0	19
WALKING WITH TRAFFIC	0	0	0	0	0	2	0	9	2	3	0	7	0	3	0	0	0	0	0	0	0	0	26
WITHIN CROSSWALK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	3
WITHIN MARKED CROSSWALK	0	1	0	1	0	0	0	3	0	2	0	3	0	0	0	0	0	0	0	2	0	0	12
Totals	1	4	3	15	1	25	7	76	6	45	7	37	5	34	6	17	2	14	2	19	0	0	326



**Missouri Department of Transportation
Transportation Planning**

Date: 8/12/2004

2003 Accidents by Pedestrian Maneuver by Light Condition

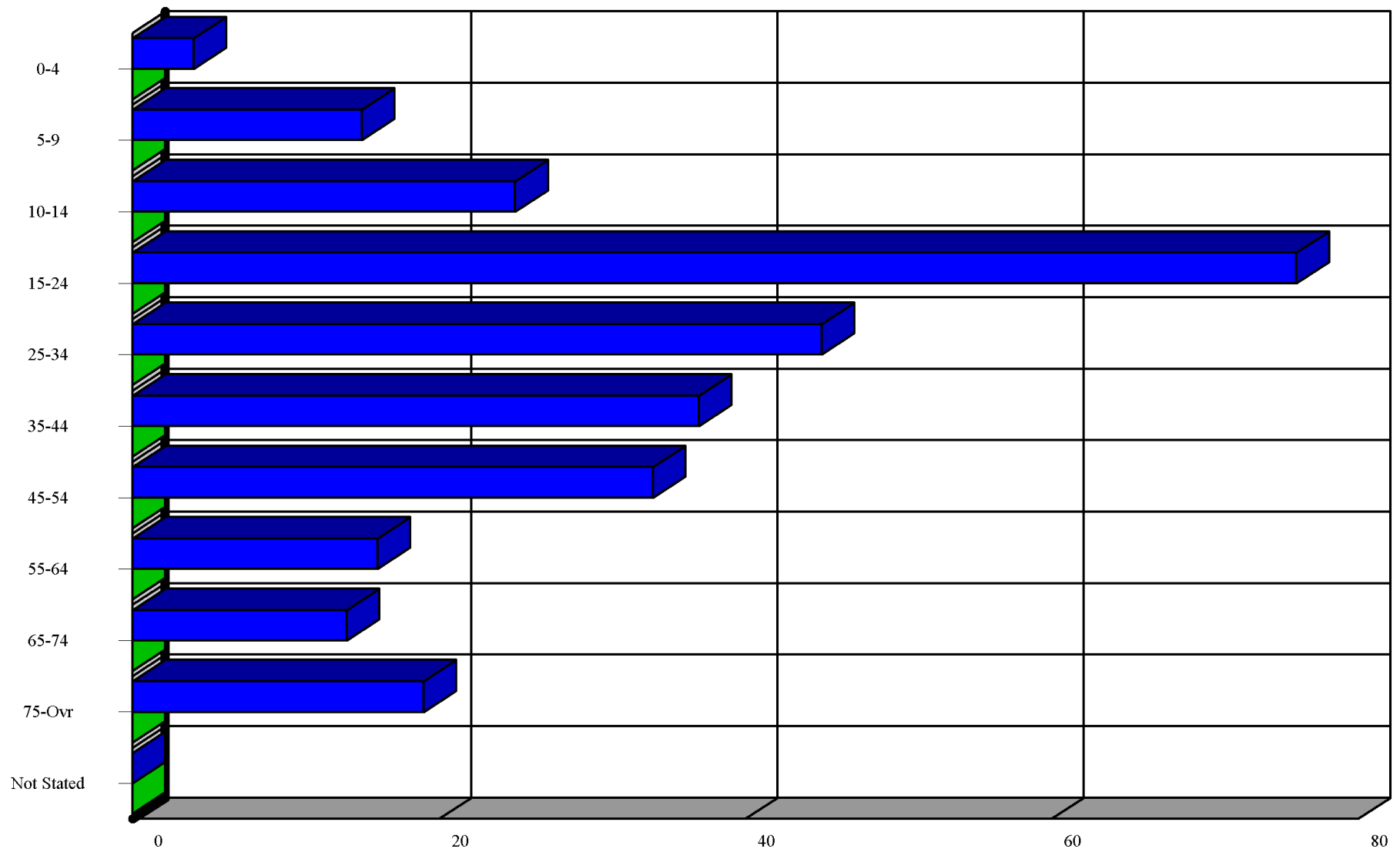
PEDESTRIAN MANEUVER	DARK		LIGHT		UNKNOWN	
	Total Fatalities	Total Injuries	Total Fatalities	Total Injuries	Total Fatalities	Total Injuries
BEHIND PARKED CAR	1	17	2	18	0	1
CROSSWALK MARKED	0	0	0	0	0	0
GETTING ON/OFF VEHICLE	0	0	1	2	0	0
NOT STATED/UNKNWN/NO PEDS	0	6	0	11	0	0
OFF ROADWAY	1	4	1	12	0	0
OTHER IN ROAD	0	0	0	0	0	0
OTHER WORKING	1	4	0	4	0	0
PLAYING IN ROAD	0	0	0	3	1	0
PUSHING/WORKING ON VEHICLE	1	4	0	2	0	0
SIGNAL MOVEMENT	6	43	7	68	0	1
STANDING IN ROAD	11	22	0	11	0	0
WALKING AGAINST TRAFFIC	2	14	2	1	0	0
WALKING WITH TRAFFIC	2	16	0	8	0	0
WITHIN CROSSWALK	0	1	1	1	0	0
WITHIN MARKED CROSSWALK	0	2	0	9	0	1
TOTALS	25	133	14	150	1	3



Missouri Department of Transportation
Transportation Planning

Date: 8/12/2004

Injury Pedestrian Accidents by Age
285 Pedestrian Injuries

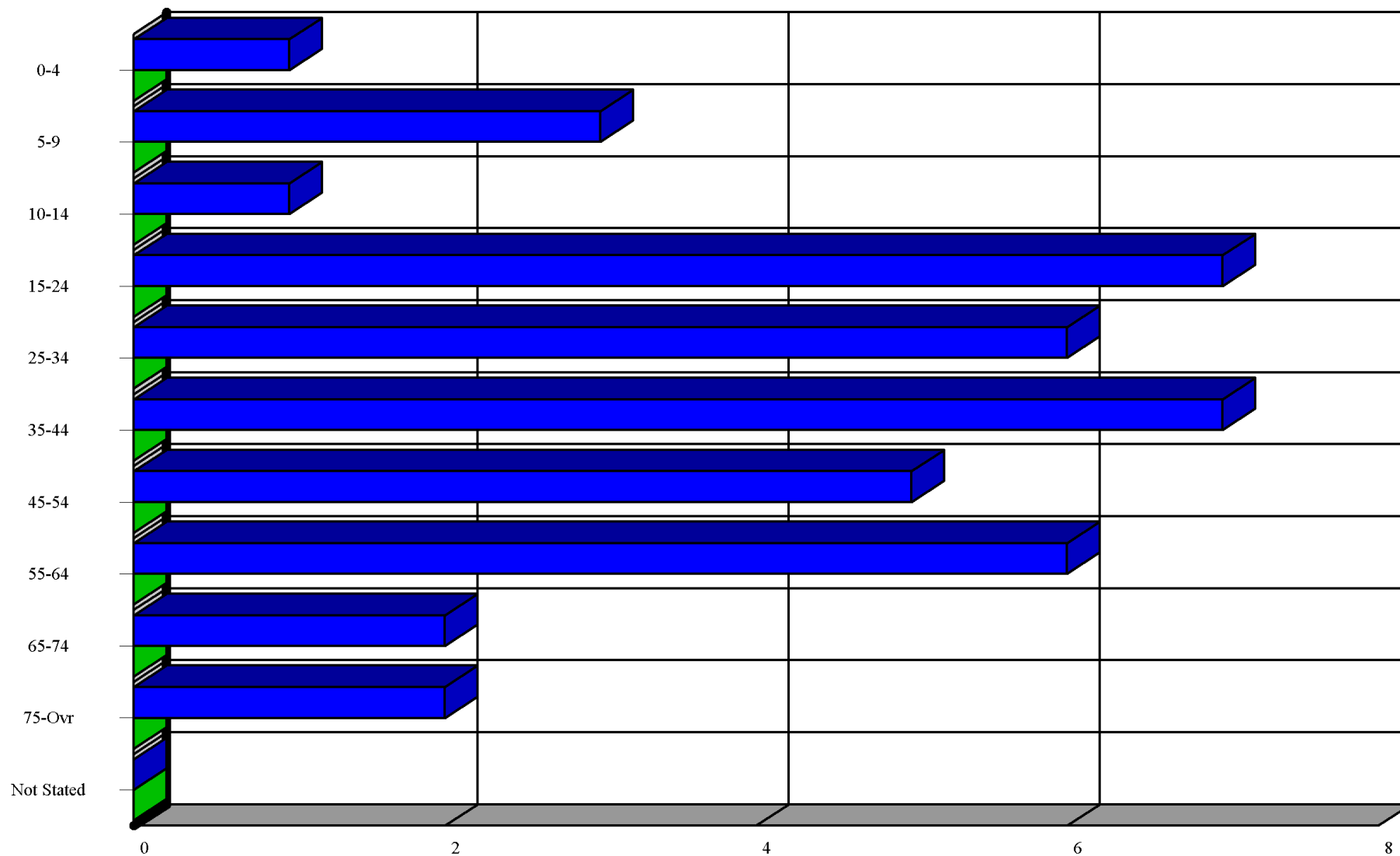




Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Fatal Pedestrian Accidents by Age 40 Pedestrian Fatalities



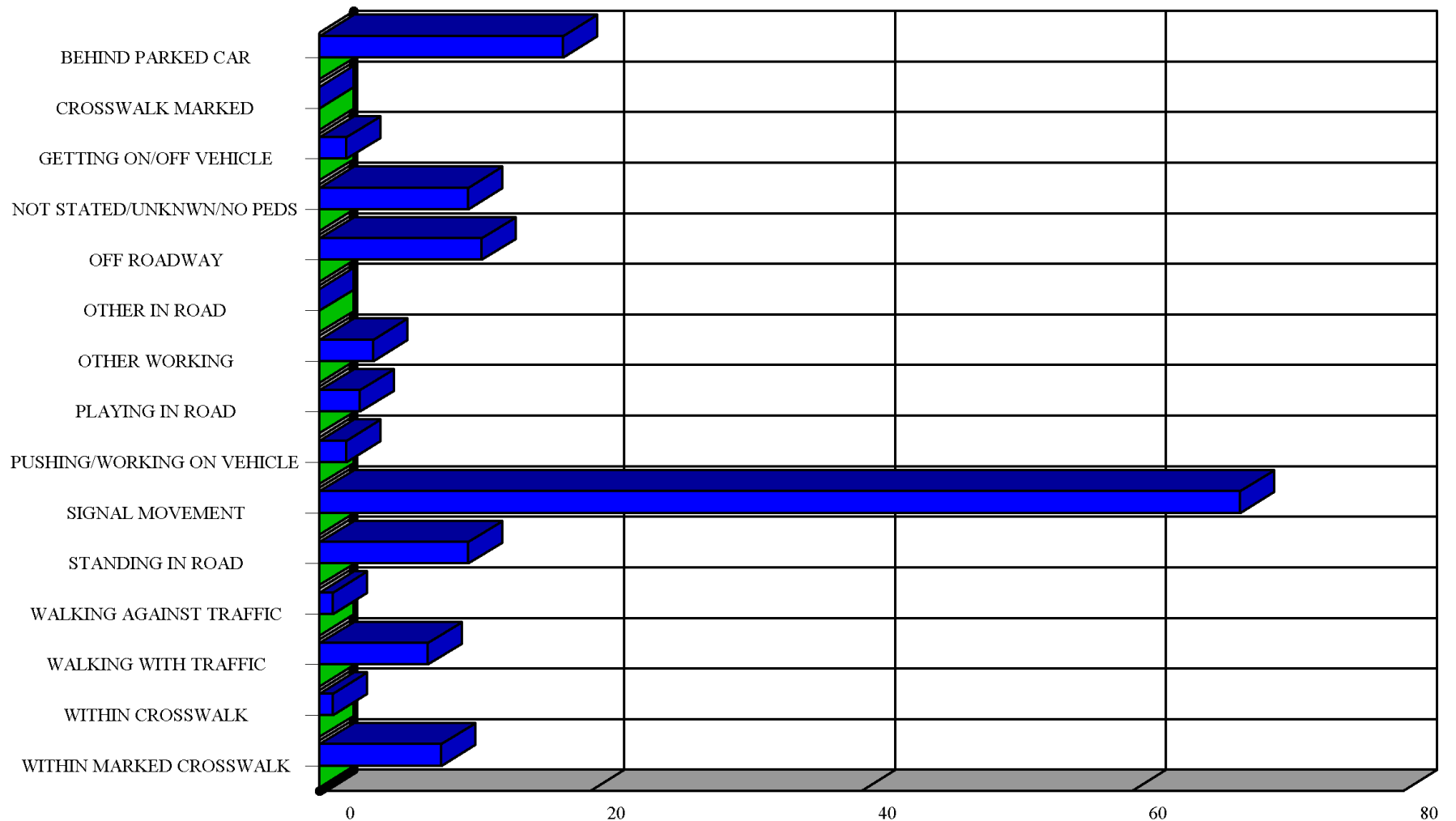


Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Accidents by Pedestrian Maneuver by Light Condition 150 Injuries in Day Condition

BEH PARK CAR	CROSSWALK MARK	GET ON/OFF VEH	NOT STAT/UNK/NO PEDS	OFF ROAD	OTH IN ROAD	OTH WORK	PUSH/WORK ON VEH	SIG MVMNT	STAND IN ROAD	WALK AGNST TRAF	WALK WITH TRAF
18	0	2	11	12	0	4	2	68	11	1	8



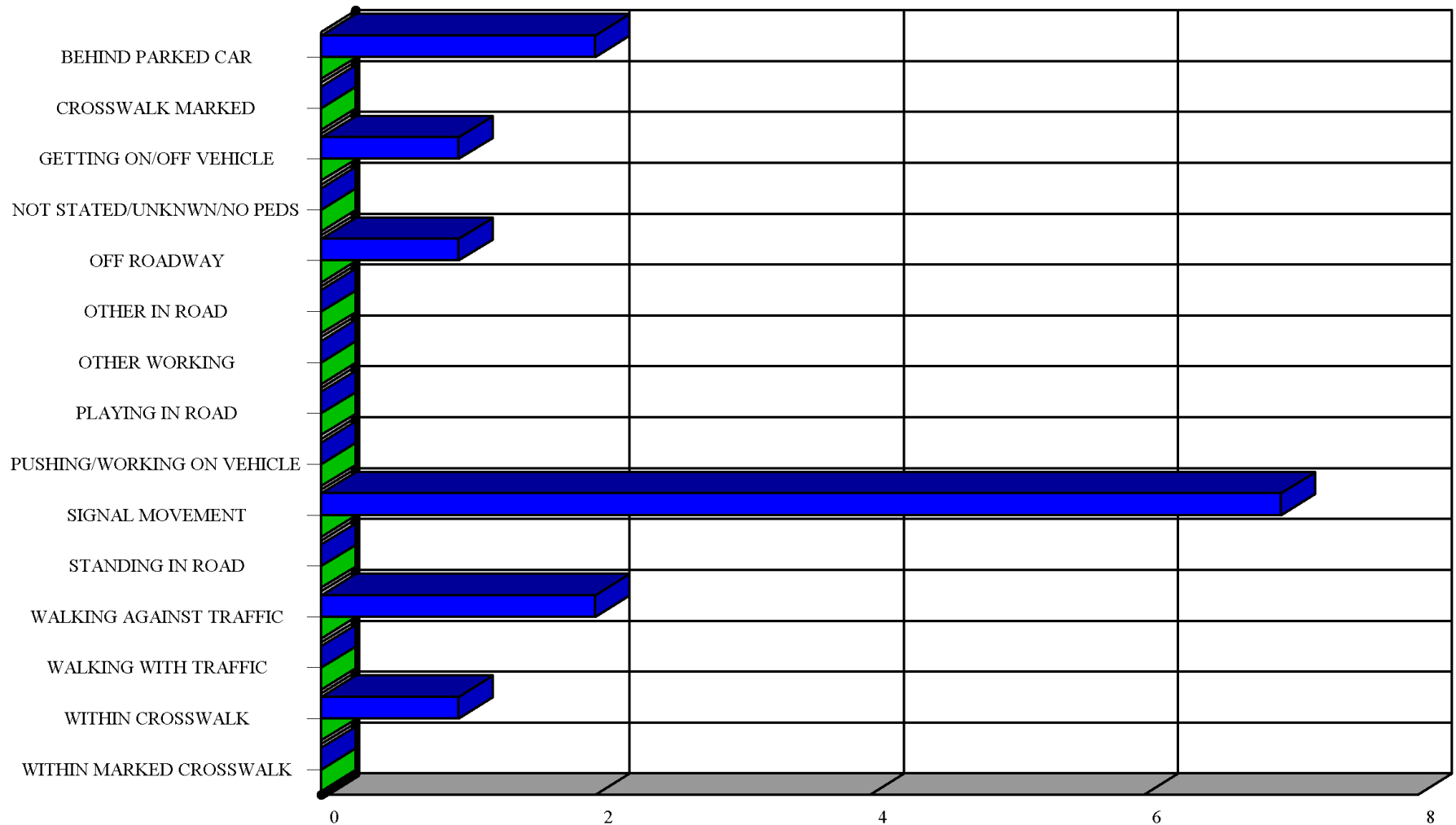


Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Accidents by Pedestrian Maneuver by Light Condition 14 Fatalities in Day Condition

BEH PARK CAR	CROSSWALK MARK	GET ON/OFF VEH	NOT STAT/UNK/NO PEDS	OFF ROAD	OTH IN ROAD	OTH WORK	PUSH/WORK ON VEH	SIG MVMNT	STAND IN ROAD	WALK AGNST TRAF	WALK WITH TRAF
2	0	1	0	1	0	0	0	7	0	2	0



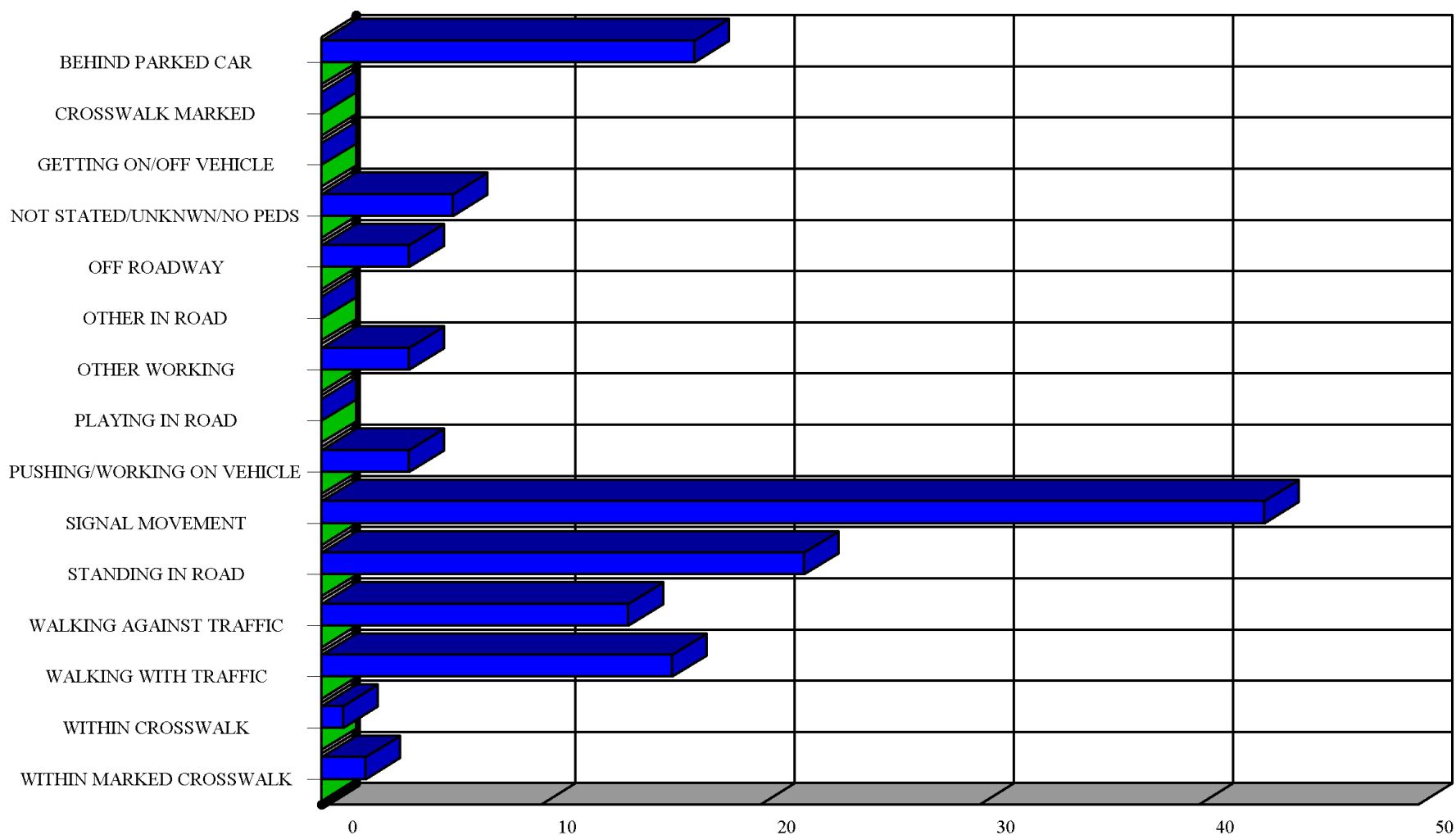


Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Accidents by Pedestrian Maneuver by Light Condition 133 Injuries in Dark Condition

BEH PARK CAR	CROSSWALK MARK	GET ON/OFF VEH	NOT STAT/UNK/NO PEDS	OFF ROAD	OTH IN ROAD	OTH WORK	PUSH/WORK ON VEH	SIG MVMNT	STAND IN ROAD	WALK AGNST TRAF	WALK WITH TRAF
17	0	0	6	4	0	4	4	43	22	14	16



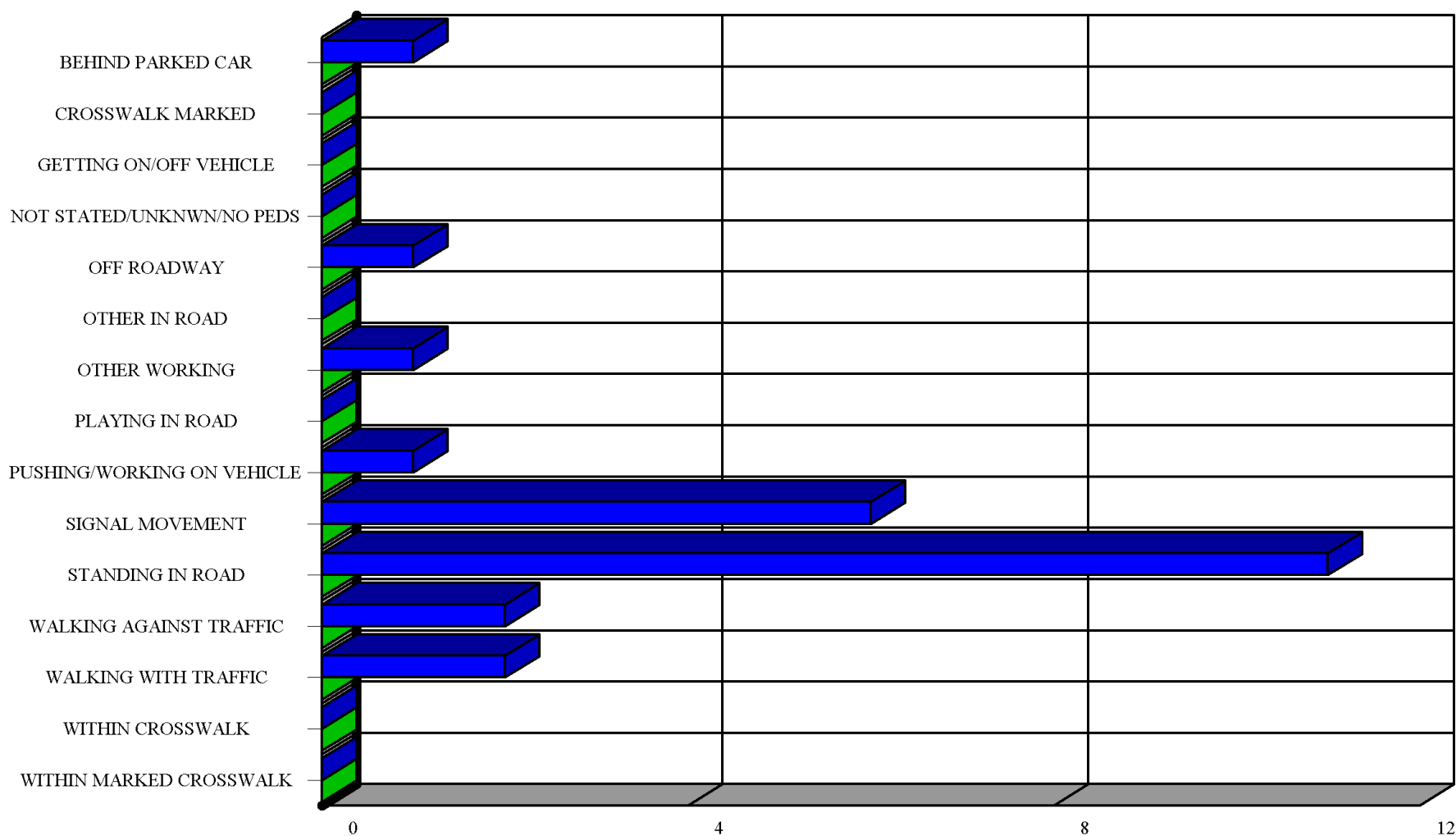


Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

Accidents by Pedestrian Maneuver by Light Condition 25 Fatalities in Dark Condition

BEH PARK CAR	CROSSWALK MARK	GET ON/OFF VEH	NOT STAT/UNK/NO PEDS	OFF ROAD	OTH IN ROAD	OTH WORK	PUSH/WORK ON VEH	SIG MVMNT	STAND IN ROAD	WALK AGNST TRAF	WALK WITH TRAF
1	0	0	0	1	0	1	1	6	11	2	2



Chapter 1-N : ACCIDENTS BY INVESTIGATOR

Of the 92,009 accidents occurring on the State Highway System of Missouri in 2003, 34.6% were investigated by the State Highway Patrol and 65.11% were investigated by local agencies.

Of the 833 fatal accidents that occurred in 2003, 81% were investigated by the State Highway Patrol and 18.97% were investigated by local agencies.



Missouri Department of Transportation
Transportation Planning
2003 Accidents by Investigator

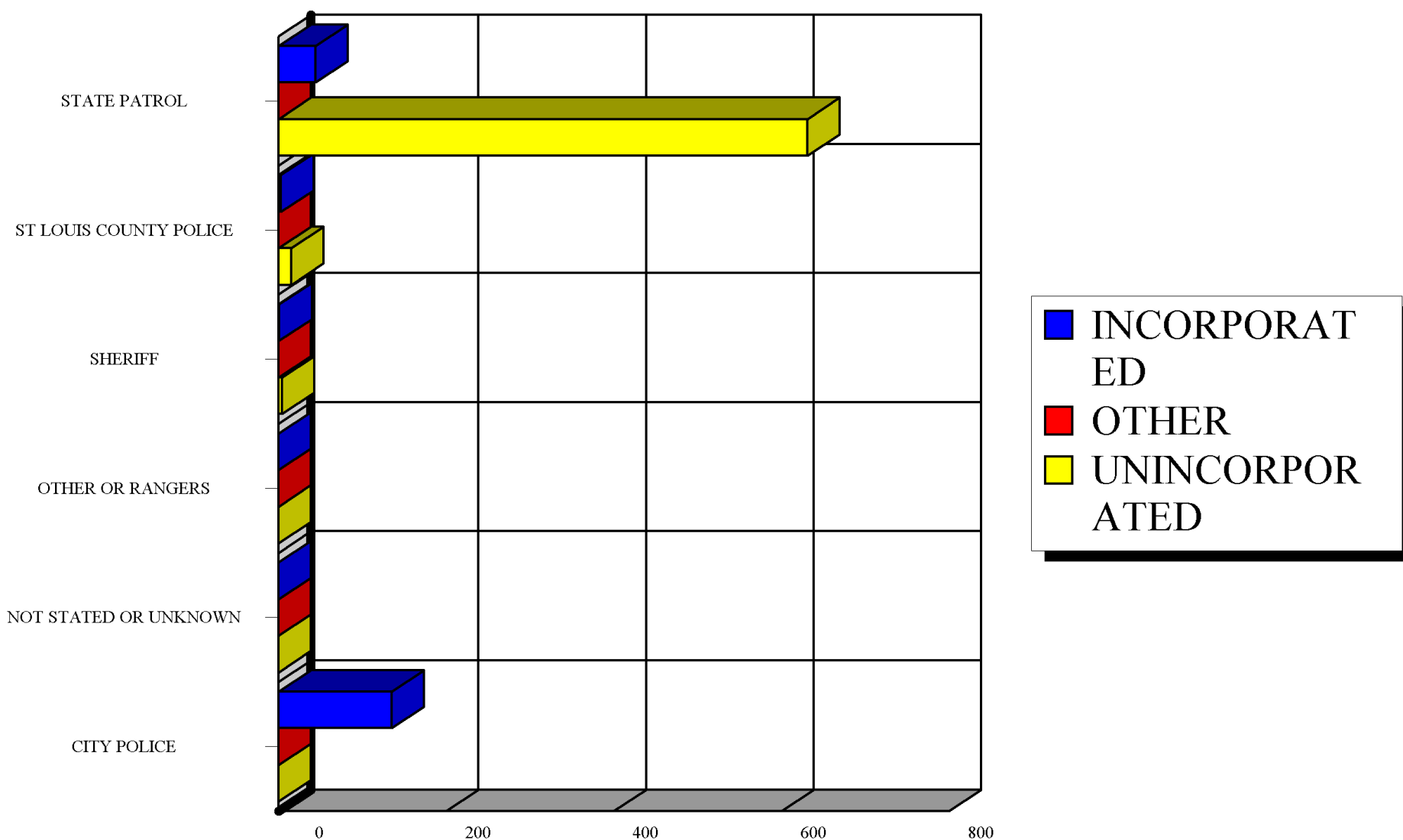
Date: 8/12/2004

INVESTIGATOR	Fatal Accidents	Total Fatalities	Injury Accidents	Total Injuries	PDO Accidents	Total Accidents
UNINCORPORATED						
UNINCORPORATED SHERIFF	4	4	541	731	1,550	2,095
UNINCORPORATED ST LOUIS COUNTY POLICE	15	16	1,029	1,493	3,228	4,272
UNINCORPORATED STATE PATROL	631	731	10,357	16,473	17,535	28,523
INCORPORATED						
INCORPORATED CITY POLICE	135	149	13,031	19,722	39,538	52,704
INCORPORATED SHERIFF	1	1	44	61	149	194
INCORPORATED ST LOUIS COUNTY POLICE	3	3	118	172	357	478
INCORPORATED STATE PATROL	44	49	868	1,338	2,416	3,328
RANGER						
OTHER OR RANGERS	0	0	46	63	122	168
NOT STATED						
NOT STATED OR UNKNOWN	0	0	50	72	197	247
Totals	833	953	26,084	40,125	65,092	92,009



Missouri Department of Transportation
Transportation Planning
2003 Fatal Accidents by Investigator
833 Fatal Accidents

Date: 8/12/2004





Missouri Department of Transportation Transportation Planning

Date: 8/12/2004

2003 Accidents by Investigator

92,009 Total Accidents

